

## Product Datasheet - Technical Specifications



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# 5 Technical Specification

This chapter will introduce the main technical parameters of this power, such as rated voltage/current/power and so on. Besides, we will introduce the working environment and storage temperature.

- ◆ Main Technical Parameters
- ◆ Supplemental characteristics

## 5.1 Main Technical Parameters

### 5.1.1 IT6512C

Parameter		IT6512C Ver:V1.6
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 80V
	Output Current	0 ~ 120A
	Internal Sink Current <sup>1</sup>	0 ~ 50A
	External Sink Current <sup>1</sup>	0 ~ 120A
	Output Power	0 ~ 1800W
	Internal Sink Power <sup>1</sup>	0 ~ 150W
	External Sink Power <sup>1</sup>	0 ~ 5400W
Output Resistance	Range	0 ~ 3.556Ω
	Accuracy <sup>2</sup>	0.25%+30mΩ*A
	Resolution	0.1mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+10mV
	Current	≤0.01%+60mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.05%+120mA
Setup Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	10mV

Parameter		IT6512C Ver:V1.6
	Current	10mA
	Power	0.1W
Setup Accuracy <sup>3</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+120mA
	Power	1%+30W
Read Back Accuracy <sup>4</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+120mA
	Power	1%+30W
Ripple (20Hz -20MHz)	Voltage	≤80mVp-p
	Current	≤0.05%+60mArms
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.02%+120mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.02%+120mA
Rise time( no load ) <sup>5</sup>	Voltage	≤10ms
Rise time( full load ) <sup>5</sup>	Voltage	≤20ms
Fall time( no load ) <sup>5</sup>	Voltage	≤30ms
Fall time( full load ) <sup>5</sup>	Voltage	≤20ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤10ms
	90% ~ -90%	≤10ms
Transient Response Time	Voltage	≤3ms
AC Input <sup>7</sup>	Voltage	220V±10%
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( % of Output +Offset )	Voltage	≤0.05%+30mV
	Current	≤0.1%+120mA
Setup stability-8h ( % of Output +Offset )	Voltage	≤0.05%+30mV
	Current	≤0.1%+120mA
Readback stability-30min ( % of Output +Offset )	Voltage	≤0.05%+30mV
	Current	≤0.1%+120mA
Readback stability-8h ( % of Output +Offset )	Voltage	≤0.05%+30mV
	Current	≤0.1%+120mA
Efficiency	80%	

Parameter		IT6512C Ver:V1.6
Remote Sense Compensation Voltage		3V
Command Response Time		20mS
Power Factor		0.99
Maximum input current <sup>8</sup>		12A
Maximum input apparent power		2300VA
Storage temperature		-10°C ~ 70°C
Protective function		Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense
standard Interface		USB/RS232/CAN/GPIB/LAN
Isolation ( output to ground)		500V
Parallel Number		≤8
Parallel Number of Power Dissipater		1/2/3
Working temperature		0 ~ 40°C
Dimension ( mm)		483mmW×105.4mmH×640.8mmD
Weight( net)		17Kg

## 5.1.2 IT6522C

Parameter		IT6522C Ver:V1.6
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 80V
	Output Current	0 ~ 120A
	Internal Sink Current <sup>1</sup>	0 ~ 50A
	External Sink Current <sup>1</sup>	0 ~ 120A
	Output Power	0 ~ 3000W
	Internal Sink Power <sup>1</sup>	0 ~ 150W
	External Sink Power <sup>1</sup>	0 ~ 9000W
Output Resistance	Range	0 ~ 2.133Ω
	Accuracy <sup>2</sup>	0.25% + 30mΩ*A
	Resolution	0.1mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+10mV
	Current	≤0.01%+60mA

Parameter		IT6522C Ver:V1.6
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.05%+120mA
Setup Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Setup Accuracy <sup>3</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+120mA
	Power	1%+30W
Read Back Accuracy <sup>4</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+120mA
	Power	1%+30W
Ripple (20Hz -20MHz)	Voltage	≤80mVp-p
	Current	≤0.05%+60mA <sub>rms</sub>
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.02%+120mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.02%+120mA
Rise time( no load ) <sup>5</sup>	Voltage	≤10ms
Rise time( full load ) <sup>5</sup>	Voltage	≤20ms
Fall time( no load ) <sup>5</sup>	Voltage	≤30ms
Fall time( full load ) <sup>5</sup>	Voltage	≤10ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤10ms
	90% ~ -90%	≤10ms
Transient Response Time	Voltage	≤3ms
AC Input <sup>7</sup>	Voltage	220V±10%
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( % of Output +Offset )	Voltage	≤0.05%+30mV
	Current	≤0.1%+120mA
Setup stability-8h ( % of Output +Offset )	Voltage	≤0.05%+30mV

Parameter		IT6522C Ver:V1.6
	Current	$\leq 0.1\% + 120\text{mA}$
Readback stability-30min ( %of Output +Offset )	Voltage	$\leq 0.05\% + 30\text{mV}$
	Current	$\leq 0.1\% + 120\text{mA}$
Readback stability-8h ( %of Output +Offset )	Voltage	$\leq 0.05\% + 30\text{mV}$
	Current	$\leq 0.1\% + 120\text{mA}$
Efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	19A	
Maximum input apparent power	3800VA	
Storage temperature	$-10^{\circ}\text{C} \sim 70^{\circ}\text{C}$	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)	500V	
Parallel Number	$\leq 8$	
Parallel Number of Power Dissipater	1/2/3	
Working temperature	$0 \sim 40^{\circ}\text{C}$	
Dimension ( mm)	483mmW×105.4mmH×640.8mmD	
Weight( net)	17Kg	

### 5.1.3 IT6532C

Parameter		IT6532C Ver:V1.6
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 80V
	Output Current	0 ~ 240A
	Internal Sink Current <sup>1</sup>	0 ~ 100A
	External Sink Current <sup>1</sup>	0 ~ 240A
	Output Power	0 ~ 6KW

Parameter		IT6532C Ver:V1.6
	Internal Sink Power <sup>1</sup>	0 ~ 300W
	External Sink Power <sup>1</sup>	0 ~ 18KW
Output Resistance	Range	0 ~ 1.067Ω
	Accuracy <sup>2</sup>	0.25%+30mΩ*A
	Resolution	0.1mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+10mV
	Current	≤0.01%+120mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.05%+240mA
Setup Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Setup Accuracy <sup>3</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+240mA
	Power	1%+60W
Read Back Accuracy <sup>4</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+240mA
	Power	1%+60W
Ripple (20Hz -20MHz)	Voltage	≤80mVp-p
	Current	≤0.05%+120mArms
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.02%+240mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.02%+240mA
Rise time( no load ) <sup>5</sup>	Voltage	≤10ms
Rise time( full load ) <sup>5</sup>	Voltage	≤20ms
Fall time( no load ) <sup>5</sup>	Voltage	≤30ms
Fall time( full load ) <sup>5</sup>	Voltage	≤10ms

Parameter		IT6532C Ver:V1.6
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤20ms
	90% ~ -90%	≤20ms
Transient Response Time	Voltage	≤3ms
AC Input <sup>7</sup>	Voltage	220V±10%
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( %of Output +Offset )	Voltage	≤0.05%+30mV
	Current	≤0.1%+240mA
Setup stability-8h ( %of Output +Offset )	Voltage	≤0.05%+30mV
	Current	≤0.1%+240mA
Readback stability-30min ( %of Output +Offset )	Voltage	≤0.05%+30mV
	Current	≤0.1%+240mA
Readback stability-8h ( %of Output +Offset )	Voltage	≤0.05%+30mV
	Current	≤0.1%+240mA
Efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	38A	
Maximum input apparent power	7600VA	
Storage temperature	-10°C ~ 70°C	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)	500V	
Parallel Number	≤8	
Parallel Number of Power Dissipater	2/4/6	
Working temperature	0 ~ 40°C	
Dimension ( mm)	483mmW×194mmH×640.8mmD	
Weight( net)	35Kg	



## 5.1.4 IT6542C

Parameter		IT6542C Ver:V1.6
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 80V
	Output Current	0 ~ 360A
	Internal Sink Current <sup>1</sup>	0 ~ 150A
	External Sink Current <sup>1</sup>	0 ~ 360A
	Output Power	0 ~ 9KW
	Internal Sink Power <sup>1</sup>	0 ~ 450W
	External Sink Power <sup>1</sup>	0 ~ 27KW
Output Resistance	Range	0 ~ 0.711Ω
	Accuracy <sup>2</sup>	0.25%+30mΩ*A
	Resolution	0.1mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+10mV
	Current	≤0.01%+180mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.05%+360mA
Setup Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Setup Accuracy <sup>3</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+360mA
	Power	1%+90W
Read Back Accuracy <sup>4</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+360mA
	Power	1%+90W
Ripple (20Hz -20MHz)	Voltage	≤80mVp-p
	Current	≤0.05%+180mArms
Setup Temperature Coefficient	Voltage	≤0.01%+30mV

Parameter		IT6542C Ver:V1.6
(% of Output/°C+Offset)	Current	≤0.02%+360mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.02%+360mA
Rise time( no load ) <sup>5</sup>	Voltage	≤10ms
Rise time( full load ) <sup>5</sup>	Voltage	≤20ms
Fall time( no load ) <sup>5</sup>	Voltage	≤30ms
Fall time( full load ) <sup>5</sup>	Voltage	≤10ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤30ms
	90% ~ -90%	≤30ms
Transient Response Time	Voltage	≤3ms
AC Input <sup>7</sup>	Voltage	220Vac±10%
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( % of Output +Offset )	Voltage	≤0.05%+30mV
	Current	≤0.1%+360mA
Setup stability-8h ( % of Output +Offset )	Voltage	≤0.05%+30mV
	Current	≤0.1%+360mA
Readback stability-30min ( % of Output +Offset )	Voltage	≤0.05%+30mV
	Current	≤0.1%+360mA
Readback stability-8h ( % of Output +Offset )	Voltage	≤0.05%+30mV
	Current	≤0.1%+360mA
Efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	19A	
Maximum input apparent power	11400VA	
Storage temperature	-10°C ~ 70°C	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)	500V	

Parameter	IT6542C Ver:V1.6
Parallel Number	≤8
Parallel Number of Power Dissipater	3/6/9
Working temperature	0 ~ 40°C
Dimension ( mm)	483mmW×283.2mmH×640.8mmD
Weight( net)	53Kg

### 5.1.5 IT6552C

Parameter	IT6552C Ver:V1.6	
Output Rating( 0 °C-40 °C)	Output Voltage	0 ~ 80V
	Output Current	0 ~ 480A
	Internal Sink Current <sup>1</sup>	0 ~ 200A
	External Sink Current <sup>1</sup>	0 ~ 480A
	Output Power	0 ~ 12KW
	Internal Sink Power <sup>1</sup>	0 ~ 600W
	External Sink Power <sup>1</sup>	0 ~ 36KW
Output Resistance	Range	0 ~ 0.133Ω
	Accuracy <sup>2</sup>	0.25%+30mΩ*A
	Resolution	0.1mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+10mV
	Current	≤0.01%+240mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.05%+480mA
Setup Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Setup Accuracy <sup>3</sup>	Voltage	≤0.05%+30mV

Parameter		IT6552C Ver:V1.6
( within 12 months,25°C ±5°C) ±(%of Output+Offset)	Current	≤0.2%+480mA
	Power	1%+120W
Read Back Accuracy <sup>4</sup> ( within 12 months,25°C ±5°C) ±(%of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+480mA
	Power	1%+120W
Ripple (20Hz -20MHz)	Voltage	≤80mVp-p
	Current	≤0.05%+240mArms
Setup Temperature Coefficient (%of Output/°C+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.02%+480mA
Read Back Temperature Coefficient (%of Output/°C+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.02%+480mA
Rise time( no load ) <sup>5</sup>	Voltage	≤10ms
Rise time( full load ) <sup>5</sup>	Voltage	≤20ms
Fall time( no load ) <sup>5</sup>	Voltage	≤30ms
Fall time( full load ) <sup>5</sup>	Voltage	≤10ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤40ms
	90% ~ -90%	≤40ms
Transient Response Time	Voltage	≤3ms
AC Input <sup>7</sup>	Voltage	380Vac±10%(Three-phase five wire)
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( %of Output +Offset )	Voltage	≤0.05%+30mV
	Current	≤0.1%+480mA
Setup stability-8h ( %of Output +Offset )	Voltage	≤0.05%+30mV
	Current	≤0.1%+480mA
Readback stability-30min ( %of Output +Offset )	Voltage	≤0.05%+30mV
	Current	≤0.1%+480mA
Readback stability-8h ( %of Output +Offset )	Voltage	≤0.05%+30mV
	Current	≤0.1%+480mA
Efficiency		80%
Remote Sense Compensation Voltage		3V
Command Response Time		20mS

Parameter	IT6552C Ver:V1.6
Power Factor	0.99
Maximum input current <sup>8</sup>	38A
Maximum input apparent power	15200VA
Storage temperature	-10°C ~ 70°C
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense
standard Interface	USB/RS232/CAN/GPIB/LAN
Isolation ( output to ground)	500V
Parallel Number	≤8
Parallel Number of Power Dissipater	4/8/12
Working temperature	0 ~ 40°C
Dimension ( mm)	554mmW×902mmH×807.5mmD(ITECH 15U Cabinet)
Weight( net)	119KG

## 5.1.6 IT6562C

Parameter	IT6562C Ver:V1.6	
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 80V
	Output Current	0 ~ 600A
	Internal Sink Current <sup>1</sup>	0 ~ 250A
	External Sink Current <sup>1</sup>	0 ~ 600A
	Output Power	0 ~ 15KW
	Internal Sink Power <sup>1</sup>	0 ~ 750W
	External Sink Power <sup>1</sup>	0 ~ 45KW
Output Resistance	Range	0 ~ 0.107Ω
	Accuracy <sup>2</sup>	0.25%+30mΩ*A
	Resolution	0.1mΩ
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+10mV
	Current	≤0.01%+300mA

Parameter		IT6562C Ver:V1.6
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.05%+600mA
Setup Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Setup Accuracy <sup>3</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+600mA
	Power	1%+150W
Read Back Accuracy <sup>4</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+600mA
	Power	1%+150W
Ripple (20Hz -20MHz)	Voltage	≤80mVp-p
	Current	≤0.05%+300mA <sub>rms</sub>
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.02%+600mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.02%+600mA
Rise time( no load ) <sup>5</sup>	Voltage	≤10ms
Rise time( full load ) <sup>5</sup>	Voltage	≤20ms
Fall time( no load ) <sup>5</sup>	Voltage	≤30ms
Fall time( full load ) <sup>5</sup>	Voltage	≤10ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤50ms
	90% ~ -90%	≤50ms
Transient Response Time	Voltage	≤3ms
AC Input <sup>7</sup>	Voltage	380Vac±10%(Three-phase five wire)
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( % of Output +Offset )	Voltage	≤0.05%+30mV
	Current	≤0.1%+600mA
Setup stability-8h ( % of Output +Offset )	Voltage	≤0.05%+30mV

Parameter		IT6562C Ver:V1.6
	Current	$\leq 0.1\% + 600\text{mA}$
Readback stability-30min ( %of Output +Offset )	Voltage	$\leq 0.05\% + 30\text{mV}$
	Current	$\leq 0.1\% + 600\text{mA}$
Readback stability-8h ( %of Output +Offset )	Voltage	$\leq 0.05\% + 30\text{mV}$
	Current	$\leq 0.1\% + 600\text{mA}$
Efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	38A	
Maximum input apparent power	19000VA	
Storage temperature	$-10^{\circ}\text{C} \sim 70^{\circ}\text{C}$	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)	500V	
Parallel Number	$\leq 6$	
Parallel Number of Power Dissipater	5/10/15	
Working temperature	$0 \sim 40^{\circ}\text{C}$	
Dimension ( mm)	554mmW×902mmH×807.5mmD ( ITECH 15U Cabinet )	
Weight( net)	137Kg	

### 5.1.7 IT6572C

Parameter		IT6572C Ver:V1.6
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 80V
	Output Current	0 ~ 840A
	Internal Sink Current <sup>1</sup>	0 ~ 350A
	External Sink Current <sup>1</sup>	0 ~ 840A
	Output Power	0 ~ 21KW

Parameter		IT6572C Ver:V1.6
	Internal Sink Power <sup>1</sup>	0 ~ 1050W
	External Sink Power <sup>1</sup>	0 ~ 63KW
Output Resistance	Range	0 ~ 0.076Ω
	Accuracy <sup>2</sup>	0.25%+30mΩ*A
	Resolution	0.1mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+10mV
	Current	≤0.01%+420mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.05%+840mA
Setup Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Setup Accuracy <sup>3</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+840mA
	Power	1%+210W
Read Back Accuracy <sup>4</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+840mA
	Power	1%+210W
Ripple (20Hz -20MHz)	Voltage	≤80mVp-p
	Current	≤0.05%+420mArms
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.02%+840mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.02%+840mA
Rise time( no load ) <sup>5</sup>	Voltage	≤10ms
Rise time( full load ) <sup>5</sup>	Voltage	≤20ms
Fall time( no load ) <sup>5</sup>	Voltage	≤30ms
Fall time( full load ) <sup>5</sup>	Voltage	≤10ms



Parameter		IT6572C Ver:V1.6
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤70ms
	90% ~ -90%	≤70ms
Transient Response Time	Voltage	≤3ms
AC Input <sup>7</sup>	Voltage	380Vac±10%(Three-phase five wire)
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( %of Output +Offset )	Voltage	≤0.05%+30mV
	Current	≤0.1%+840mA
Setup stability-8h ( %of Output +Offset )	Voltage	≤0.05%+30mV
	Current	≤0.1%+840mA
Readback stability-30min ( %of Output +Offset )	Voltage	≤0.05%+30mV
	Current	≤0.1%+840mA
Readback stability-8h ( %of Output +Offset )	Voltage	≤0.05%+30mV
	Current	≤0.1%+840mA
Efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	57A	
Maximum input apparent power	26600VA	
Storage temperature	-10°C ~ 70°C	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)	500V	
Parallel Number	≤4	
Parallel Number of Power Dissipater	7/14/21	
Working temperature	0 ~ 40°C	
Dimension ( mm)	600 mmW×1475 mmH×841.1mmD ( ITECH 27U Cabinet )	
Weight( net)	230Kg	

## 5.1.8 IT6582C

Parameter		IT6582C Ver:V1.6
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 80V
	Output Current	0 ~ 960A
	Internal Sink Current <sup>1</sup>	0 ~ 400A
	External Sink Current <sup>1</sup>	0 ~ 960A
	Output Power	0 ~ 24KW
	Internal Sink Power <sup>1</sup>	0 ~ 1200W
	External Sink Power <sup>1</sup>	0 ~ 72KW
Output Resistance	Range	0 ~ 0.067Ω
	Accuracy <sup>2</sup>	0.25%+30mΩ*A
	Resolution	0.1mΩ
Line regulation	Voltage	≤0.01%+10mV
±(% of Output+Offset)	Current	≤0.01%+480mA
Load regulation	Voltage	≤0.01%+30mV
±(% of Output+Offset)	Current	≤0.05%+960mA
Setup Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Setup Accuracy <sup>3</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+960mA
	Power	1%+240W
Read Back Accuracy <sup>4</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+960mA
	Power	1%+240W
Ripple (20Hz -20MHz)	Voltage	≤80mVp-p
	Current	≤0.05%+480mArms
Setup Temperature Coefficient	Voltage	≤0.01%+30mV

Parameter		IT6582C Ver:V1.6
(%of Output/°C+Offset)	Current	$\leq 0.02\% + 960\text{mA}$
Read Back Temperature Coefficient (%of Output/°C+Offset)	Voltage	$\leq 0.01\% + 30\text{mV}$
	Current	$\leq 0.02\% + 960\text{mA}$
Rise time( no load ) <sup>5</sup>	Voltage	$\leq 10\text{ms}$
Rise time( full load ) <sup>5</sup>	Voltage	$\leq 20\text{ms}$
Fall time( no load ) <sup>5</sup>	Voltage	$\leq 30\text{ms}$
Fall time( full load ) <sup>5</sup>	Voltage	$\leq 10\text{ms}$
Current seamless switching <sup>6</sup>	-90% ~ 90%	$\leq 80\text{ms}$
	90% ~ -90%	$\leq 80\text{ms}$
Transient Response Time	Voltage	$\leq 3\text{ms}$
AC Input <sup>7</sup>	Voltage	380Vac $\pm 10\%$ (Three-phase five wire)
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( %of Output +Offset )	Voltage	$\leq 0.05\% + 30\text{mV}$
	Current	$\leq 0.1\% + 960\text{mA}$
Setup stability-8h ( %of Output +Offset )	Voltage	$\leq 0.05\% + 30\text{mV}$
	Current	$\leq 0.1\% + 960\text{mA}$
Readback stability-30min ( %of Output +Offset )	Voltage	$\leq 0.05\% + 30\text{mV}$
	Current	$\leq 0.1\% + 960\text{mA}$
Readback stability-8h ( %of Output +Offset )	Voltage	$\leq 0.05\% + 30\text{mV}$
	Current	$\leq 0.1\% + 960\text{mA}$
Efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	57A	
Maximum input apparent power	30400VA	
Storage temperature	-10°C ~ 70°C	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)	500V	
Parallel Number	$\leq 4$	

Parameter	IT6582C Ver:V1.6
Parallel Number of Power Dissipater	8/16/24
Working temperature	0 ~ 40°C
Dimension ( mm)	600 mmW×1475 mmH×841.1mmD ( ITECH 27U Cabinet )
Weight( net)	248Kg

## 5.1.9 IT6592C

Parameter	IT6592C Ver:V1.6	
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 80V
	Output Current	0 ~ 1200A
	Internal Sink Current <sup>1</sup>	0 ~ 500A
	External Sink Current <sup>1</sup>	0 ~ 1200A
	Output Power	0 ~ 30KW
	Internal Sink Power <sup>1</sup>	0 ~ 1500W
	External Sink Power <sup>1</sup>	0 ~ 90KW
Output Resistance	Range	0 ~ 0.053Ω
	Accuracy <sup>2</sup>	0.25%+30mΩ*A
	Resolution	0.1mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+10mV
	Current	≤0.01%+600mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.05%+1200mA
Setup Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Setup Accuracy <sup>3</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+30mV
	Current	≤0.2%+1200mA
	Power	1%+300W
Read Back Accuracy <sup>4</sup>	Voltage	≤0.05%+30mV

Parameter		IT6592C Ver:V1.6
( within 12 months, 25°C ±5°C) ±(% of Output+Offset)	Current	≤0.2%+1200mA
	Power	1%+300W
Ripple (20Hz -20MHz)	Voltage	≤80mVp-p
	Current	≤0.05%+600mA <sub>rms</sub>
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.02%+1200mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+30mV
	Current	≤0.02%+1200mA
Rise time( no load ) <sup>5</sup>	Voltage	≤10ms
Rise time( full load ) <sup>5</sup>	Voltage	≤20ms
Fall time( no load ) <sup>5</sup>	Voltage	≤30ms
Fall time( full load ) <sup>5</sup>	Voltage	≤10ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤100ms
	90% ~ -90%	≤100ms
Transient Response Time	Voltage	≤3ms
AC Input <sup>7</sup>	Voltage	380Vac±10%(Three-phase five wire)
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( % of Output +Offset )	Voltage	≤0.05%+30mV
	Current	≤0.1%+1200mA
Setup stability-8h ( % of Output +Offset )	Voltage	≤0.05%+30mV
	Current	≤0.1%+1200mA
Readback stability-30min ( % of Output +Offset )	Voltage	≤0.05%+30mV
	Current	≤0.1%+1200mA
Readback stability-8h ( % of Output +Offset )	Voltage	≤0.05%+30mV
	Current	≤0.1%+1200mA
Efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	76A	
Maximum input apparent power	38000VA	

Parameter	IT6592C Ver:V1.6
Storage temperature	-10°C ~ 70°C
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense
standard Interface	USB/RS232/CAN/GPIB/LAN
Isolation ( output to ground)	500V
Parallel Number	≤3
Parallel Number of Power Dissipater	10/20/30
Working temperature	0 ~ 40°C
Dimension ( mm)	600 mmW×1475 mmH×841.1mmD ( ITECH 27U Cabinet )
Weight( net)	284Kg

## 5.1.10 IT6513C

Parameter	IT6513C Ver:V1.6	
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 200V
	Output Current	0 ~ 60A
	Internal Sink Current <sup>1</sup>	0 ~ 25A
	External Sink Current <sup>1</sup>	0 ~ 60A
	Output Power	0 ~ 1800W
	Internal Sink Power <sup>1</sup>	0 ~ 150W
	External Sink Power <sup>1</sup>	0 ~ 5400W
Output Resistance	Range	0 ~ 22.222Ω
	Accuracy <sup>2</sup>	0.25%+100mΩ
	Resolution	1mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+20mV
	Current	≤0.01%+30mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.05%+60mA
Setup Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	10mV

Parameter		IT6513C Ver:V1.6
	Current	10mA
	Power	0.1W
Setup Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+60mA
	Power	≤1%+30W
Read Back Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+60mA
	Power	≤1%+30W
Ripple (20Hz -20MHz)	Voltage	≤200mVp-p
	Current	≤50mArms
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.05 %+100mV
	Current	≤0.2%+60mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+60mA
Rise time( no load ) <sup>5</sup>	Voltage	≤15ms
Rise time( full load ) <sup>5</sup>	Voltage	≤30ms
Fall time( no load ) <sup>5</sup>	Voltage	≤50ms
Fall time( full load ) <sup>5</sup>	Voltage	≤30ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤10ms
	90% ~ -90%	≤10ms
Transient Response Time	Voltage	≤2ms
AC Input <sup>7</sup>	Voltage	220V±10%
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( % of Output +Offset )	Voltage	≤0.05%+100mV
	Current	≤0.2%+60mA
Setup stability-8h ( % of Output +Offset )	Voltage	≤0.05%+100mV
	Current	≤0.2%+60mA
Readback stability-30min ( % of Output +Offset )	Voltage	≤0.05%+100mV
	Current	≤0.2%+60mA
Readback stability-8h ( % of Output +Offset )	Voltage	≤0.05%+100mV
	Current	≤0.2%+60mA
Efficiency	89%(30V/60A) ~ 90.5%(200V/9A)	

Parameter		IT6513C Ver:V1.6
Remote Sense Compensation Voltage		2V
Command Response Time		20mS
Power Factor		0.99
Maximum input current <sup>8</sup>		10A
Maximum input apparent power		2100VA
Storage temperature		-10°C ~ 70°C
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)		500V
Parallel Number		≤8
Parallel Number of Power Dissipater		1/2/3
Working temperature		0 ~ 40°C
Dimension ( mm)	483mmW×105.4mmH×640.8mmD	
Weight( net)	17Kg	

### 5.1.11 IT6523C

Parameter		IT6523C Ver:V1.6
Output Rating( 0 °C-40 °C)	Output Voltage	0 ~ 200V
	Output Current	0 ~ 60A
	Internal Sink Current <sup>1</sup>	0 ~ 25A
	External Sink Current <sup>1</sup>	0 ~ 60A
	Output Power	0 ~ 3000W
	Internal Sink Power <sup>1</sup>	0 ~ 150W
	External Sink Power <sup>1</sup>	0 ~ 9KW
Output Resistance	Range	0 ~ 13Ω
	Accuracy <sup>2</sup>	0.25%+100mΩ
	Resolution	1mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+20mV
	Current	≤0.01%+30mA



Parameter		IT6523C Ver:V1.6
Load regulation $\pm$ (% of Output+Offset)	Voltage	$\leq 0.01\% + 50\text{mV}$
	Current	$\leq 0.05\% + 60\text{mA}$
Setup Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Setup Accuracy ( within 12 months, 25°C $\pm 5^\circ\text{C}$ ) $\pm$ (% of Output+Offset)	Voltage	$\leq 0.05\% + 100\text{mV}$
	Current	$\leq 0.2\% + 60\text{mA}$
	Power	$\leq 1\% + 30\text{W}$
Read Back Accuracy ( within 12 months, 25°C $\pm 5^\circ\text{C}$ ) $\pm$ (% of Output+Offset)	Voltage	$\leq 0.05\% + 100\text{mV}$
	Current	$\leq 0.2\% + 60\text{mA}$
	Power	$\leq 1\% + 30\text{W}$
Ripple (20Hz -20MHz)	Voltage	$\leq 200\text{mVp-p}$
	Current	$\leq 50\text{mA}_{\text{rms}}$
Setup Temperature Coefficient (% of Output/ $^\circ\text{C}$ +Offset)	Voltage	$\leq 0.05\% + 100\text{mV}$
	Current	$\leq 0.2\% + 60\text{mA}$
Read Back Temperature Coefficient (% of Output/ $^\circ\text{C}$ +Offset)	Voltage	$\leq 0.05\% + 100\text{mV}$
	Current	$\leq 0.2\% + 60\text{mA}$
Rise time( no load ) <sup>5</sup>	Voltage	$\leq 15\text{ms}$
Rise time( full load ) <sup>5</sup>	Voltage	$\leq 30\text{ms}$
Fall time( no load ) <sup>5</sup>	Voltage	$\leq 50\text{ms}$
Fall time( full load ) <sup>5</sup>	Voltage	$\leq 15\text{ms}$
Current seamless switching <sup>6</sup>	-90% ~ 90%	$\leq 10\text{ms}$
	90% ~ -90%	$\leq 10\text{ms}$
Transient Response Time	Voltage	$\leq 2\text{ms}$
AC Input <sup>7</sup>	Voltage	220V $\pm 10\%$
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( % of Output +Offset )	Voltage	$\leq 0.05\% + 100\text{mV}$
	Current	$\leq 0.2\% + 60\text{mA}$
Setup stability-8h ( % of Output +Offset )	Voltage	$\leq 0.05\% + 100\text{mV}$

Parameter		IT6523C Ver:V1.6
	Current	$\leq 0.2\% + 60\text{mA}$
Readback stability-30min ( %of Output +Offset )	Voltage	$\leq 0.05\% + 100\text{mV}$
	Current	$\leq 0.2\% + 60\text{mA}$
Readback stability-8h ( %of Output +Offset )	Voltage	$\leq 0.05\% + 100\text{mV}$
	Current	$\leq 0.2\% + 60\text{mA}$
Efficiency	89%(50V/60A) ~ 90.5%(200V/15A)	
Remote Sense Compensation Voltage	2V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	19A	
Maximum input apparent power	3800VA	
Storage temperature	$-10^{\circ}\text{C} \sim 70^{\circ}\text{C}$	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)	500V	
Parallel Number	$\leq 8$	
Parallel Number of Power Dissipater	1/2/3	
Working temperature	$0 \sim 40^{\circ}\text{C}$	
Dimension ( mm)	483mmW×105.4mmH×640.8mmD	
Weight( net)	17Kg	

### 5.1.12 IT6533C

Parameter		IT6533C Ver:V1.6
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 200V
	Output Current	0 ~ 120A
	Internal Sink Current <sup>1</sup>	0 ~ 50A
	External Sink Current <sup>1</sup>	0 ~ 120A
	Output Power	0 ~ 6KW

Parameter		IT6533C Ver:V1.6
	Internal Sink Power <sup>1</sup>	0 ~ 300W
	External Sink Power <sup>1</sup>	0 ~ 18KW
Output Resistance	Range	0 ~ 6.666Ω
	Accuracy <sup>2</sup>	0.25%+100mΩ
	Resolution	1mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+20mV
	Current	≤0.01%+60mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.05%+120mA
Setup Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Setup Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+120mA
	Power	≤1%+60W
Read Back Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+120mA
	Power	≤1%+60W
Ripple (20Hz -20MHz)	Voltage	≤200mVp-p
	Current	≤100mArms
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.05 %+100mV
	Current	≤0.2%+120mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+120mA
Rise time( no load ) <sup>5</sup>	Voltage	≤15ms
Rise time( full load ) <sup>5</sup>	Voltage	≤30ms
Fall time( no load ) <sup>5</sup>	Voltage	≤50ms
Fall time( full load ) <sup>5</sup>	Voltage	≤15ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤20ms

Parameter		IT6533C Ver:V1.6
	90% ~ -90%	≤20ms
Transient Response Time	Voltage	≤2ms
AC Input <sup>7</sup>	Voltage	220V±10%
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( %of Output +Offset )	Voltage	≤0.05%+100mV
	Current	≤0.2%+120mA
Setup stability-8h ( %of Output +Offset )	Voltage	≤0.05%+100mV
	Current	≤0.2%+120mA
Readback stability-30min ( %of Output +Offset )	Voltage	≤0.05%+100mV
	Current	≤0.2%+120mA
Readback stability-8h ( %of Output +Offset )	Voltage	≤0.05%+100mV
	Current	≤0.2%+120mA
Efficiency	89%(50V/120A) ~ 90.5%(200V/30A)	
Remote Sense Compensation Voltage	2V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	38A	
Maximum input apparent power	7600VA	
Storage temperature	-10°C ~ 70°C	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)	500V	
Parallel Number	≤8	
Parallel Number of Power Dissipater	2/4/6	
Working temperature	0 ~ 40°C	
Dimension ( mm)	483mmW×194mmH×640.8mmD	
Weight( net)	35Kg	

### 5.1.13 IT6543C

Parameter		IT6543C Ver:V1.6
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 200V
	Output Current	0 ~ 180A
	Internal Sink Current <sup>1</sup>	0 ~ 75A
	External Sink Current <sup>1</sup>	0 ~ 180A
	Output Power	0 ~ 9KW
	Internal Sink Power <sup>1</sup>	0 ~ 450W
	External Sink Power <sup>1</sup>	0 ~ 27KW
Output Resistance	Range	0 ~ 4.444Ω
	Accuracy <sup>2</sup>	0.25%+100mΩ
	Resolution	1mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+20mV
	Current	≤0.01%+90mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.05%+180mA
Setup Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Setup Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+180mA
	Power	≤1%+90W
Read Back Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+180mA
	Power	≤1%+90W
Ripple (20Hz -20MHz)	Voltage	≤200mVp-p
	Current	≤150mArms
Setup Temperature Coefficient	Voltage	≤0.05 %+100mV

Parameter		IT6543C Ver:V1.6
(%of Output/°C+Offset)	Current	$\leq 0.2\% + 180\text{mA}$
Read Back Temperature Coefficient (%of Output/°C+Offset)	Voltage	$\leq 0.05\% + 100\text{mV}$
	Current	$\leq 0.2\% + 180\text{mA}$
Rise time( no load ) <sup>5</sup>	Voltage	$\leq 15\text{ms}$
Rise time( full load ) <sup>5</sup>	Voltage	$\leq 30\text{ms}$
Fall time( no load ) <sup>5</sup>	Voltage	$\leq 50\text{ms}$
Fall time( full load ) <sup>5</sup>	Voltage	$\leq 15\text{ms}$
Current seamless switching <sup>6</sup>	-90% ~ 90%	$\leq 30\text{ms}$
	90% ~ -90%	$\leq 30\text{ms}$
Transient Response Time	Voltage	$\leq 2\text{ms}$
AC Input <sup>7</sup>	Voltage	$220\text{V} \pm 10\%$
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( %of Output +Offset )	Voltage	$\leq 0.05\% + 100\text{mV}$
	Current	$\leq 0.2\% + 180\text{mA}$
Setup stability-8h ( %of Output +Offset )	Voltage	$\leq 0.05\% + 100\text{mV}$
	Current	$\leq 0.2\% + 180\text{mA}$
Readback stability-30min ( %of Output +Offset )	Voltage	$\leq 0.05\% + 100\text{mV}$
	Current	$\leq 0.2\% + 180\text{mA}$
Readback stability-8h ( %of Output +Offset )	Voltage	$\leq 0.05\% + 100\text{mV}$
	Current	$\leq 0.2\% + 180\text{mA}$
Efficiency	89%(50V/180A) ~ 90.5%(200V/45A)	
Remote Sense Compensation Voltage	2V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	19A	
Maximum input apparent power	11400VA	
Storage temperature	$-10^{\circ}\text{C} \sim 70^{\circ}\text{C}$	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)	500V	
Parallel Number	$\leq 8$	

Parameter	IT6543C Ver:V1.6
Parallel Number of Power Dissipater	3/6/9
Working temperature	0 ~ 40°C
Dimension ( mm)	483mmW×283.2mmH×640.8mmD
Weight( net)	53Kg

### 5.1.14 IT6553C

Parameter	IT6553C Ver:V1.6	
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 200V
	Output Current	0 ~ 240A
	Internal Sink Current <sup>1</sup>	0 ~ 100A
	External Sink Current <sup>1</sup>	0 ~ 240A
	Output Power	0 ~ 12KW
	Internal Sink Power <sup>1</sup>	0 ~ 600W
	External Sink Power <sup>1</sup>	0 ~ 36KW
Output Resistance	Range	0 ~ 3.333Ω
	Accuracy <sup>2</sup>	0.25%+100mΩ
	Resolution	1mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+20mV
	Current	≤0.01%+120mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.05%+240mA
Setup Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Setup Accuracy ( within 12 months,25°C ±5°C)	Voltage	≤0.05%+100mV

Parameter		IT6553C Ver:V1.6
±(% of Output+Offset)	Current	≤0.2%+240mA
	Power	≤1%+120W
Read Back Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+240mA
	Power	≤1%+120W
Ripple (20Hz -20MHz)	Voltage	≤200mVp-p
	Current	≤200mArms
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.05 %+100mV
	Current	≤0.2%+240mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+240mA
Rise time( no load ) <sup>5</sup>	Voltage	≤15ms
Rise time( full load ) <sup>5</sup>	Voltage	≤30ms
Fall time( no load ) <sup>5</sup>	Voltage	≤50ms
Fall time( full load ) <sup>5</sup>	Voltage	≤15ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤40ms
	90% ~ -90%	≤40ms
Transient Response Time	Voltage	≤2ms
AC Input <sup>7</sup>	Voltage	380Vac±10%(Three-phase five wire)
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( % of Output +Offset )	Voltage	≤0.05%+100mV
	Current	≤0.2%+240mA
Setup stability-8h ( % of Output +Offset )	Voltage	≤0.05%+100mV
	Current	≤0.2%+240mA
Readback stability-30min ( % of Output +Offset )	Voltage	≤0.05%+100mV
	Current	≤0.2%+240mA
Readback stability-8h ( % of Output +Offset )	Voltage	≤0.05%+100mV
	Current	≤0.2%+240mA
Efficiency	89%(50V/240A) ~ 90.5%(200V/60A)	
Remote Sense Compensation Voltage	2V	
Command Response Time	20mS	
Power Factor	0.99	



Parameter	IT6553C Ver:V1.6
Maximum input current <sup>8</sup>	38A
Maximum input apparent power	15200VA
Storage temperature	-10°C ~ 70°C
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense
standard Interface	USB/RS232/CAN/GPIB/LAN
Isolation ( output to ground)	500V
Parallel Number	≤8
Parallel Number of Power Dissipater	4/8/12
Working temperature	0 ~ 40°C
Dimension ( mm)	554mmW×902mmH×807.5mmD ( ITECH 15U Cabinet )
Weight( net)	119Kg

### 5.1.15 IT6563C

Parameter	IT6563C Ver:V1.6	
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 200V
	Output Current	0 ~ 300A
	Internal Sink Current <sup>1</sup>	0 ~ 125A
	External Sink Current <sup>1</sup>	0 ~ 300A
	Output Power	0 ~ 15KW
	Internal Sink Power <sup>1</sup>	0 ~ 750W
	External Sink Power <sup>1</sup>	0 ~ 45KW
Output Resistance	Range	0 ~ 2.666Ω
	Accuracy <sup>2</sup>	0.25%+100mΩ
	Resolution	1mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+20mV
	Current	≤0.01%+150mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.05%+300mA

Parameter		IT6563C Ver:V1.6
Setup Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Setup Accuracy ( within 12 months,25°C ±5°C) ±(%of Output+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+300mA
	Power	≤1%+150W
Read Back Accuracy ( within 12 months,25°C ±5°C) ±(%of Output+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+300mA
	Power	≤1%+150W
Ripple (20Hz -20MHz)	Voltage	≤200mVp-p
	Current	≤250mArms
Setup Temperature Coefficient (%of Output/°C+Offset)	Voltage	≤0.05 %+100mV
	Current	≤0.2%+300mA
Read Back Temperature Coefficient (%of Output/°C+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+300mA
Rise time( no load ) <sup>5</sup>	Voltage	≤15ms
Rise time( full load ) <sup>5</sup>	Voltage	≤30ms
Fall time( no load ) <sup>5</sup>	Voltage	≤50ms
Fall time( full load ) <sup>5</sup>	Voltage	≤15ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤50ms
	90% ~ -90%	≤50ms
Transient Response Time	Voltage	≤2ms
AC Input <sup>7</sup>	Voltage	380Vac±10%(Three-phase five wire)
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( %of Output +Offset )	Voltage	≤0.05%+100mV
	Current	≤0.2%+300mA
Setup stability-8h ( %of Output +Offset )	Voltage	≤0.05%+100mV
	Current	≤0.2%+300mA
Readback stability-30min ( %of Output +Offset )	Voltage	≤0.05%+100mV

Parameter		IT6563C Ver:V1.6
	Current	$\leq 0.2\% + 300\text{mA}$
Readback stability-8h ( % of Output +Offset )	Voltage	$\leq 0.05\% + 100\text{mV}$
	Current	$\leq 0.2\% + 300\text{mA}$
Efficiency	89%(50V/300A) ~ 90.5%(200V/75A)	
Remote Sense Compensation Voltage	2V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	38A	
Maximum input apparent power	19000VA	
Storage temperature	-10°C ~ 70°C	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)	500V	
Parallel Number	$\leq 6$	
Parallel Number of Power Dissipater	5/10/15	
Working temperature	0 ~ 40°C	
Dimension ( mm)	554mmW×902mmH×807.5mmD ( ITECH 15U Cabinet )	
Weight( net)	137Kg	

### 5.1.16 IT6573C

Parameter		IT6573C Ver:V1.6
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 200V
	Output Current	0 ~ 420A
	Internal Sink Current <sup>1</sup>	0 ~ 175A
	External Sink Current <sup>1</sup>	0 ~ 420A
	Output Power	0 ~ 21KW
	Internal Sink Power <sup>1</sup>	0 ~ 1050W
	External Sink Power <sup>1</sup>	0 ~ 63KW

Parameter		IT6573C Ver:V1.6
Output Resistance	Range	0 ~ 1.904Ω
	Accuracy <sup>2</sup>	0.25%+100mΩ
	Resolution	1mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+20mV
	Current	≤0.01%+210mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.05%+420mA
Setup Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Setup Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+420mA
	Power	≤1%+210W
Read Back Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+420mA
	Power	≤1%+210W
Ripple (20Hz -20MHz)	Voltage	≤200mVp-p
	Current	≤350mArms
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.05 %+100mV
	Current	≤0.2%+420mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+420mA
Rise time( no load ) <sup>5</sup>	Voltage	≤15ms
Rise time( full load ) <sup>5</sup>	Voltage	≤30ms
Fall time( no load ) <sup>5</sup>	Voltage	≤50ms
Fall time( full load ) <sup>5</sup>	Voltage	≤15ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤70ms
	90% ~ -90%	≤70ms
Transient Response Time	Voltage	≤2ms

Parameter		IT6573C Ver:V1.6
AC Input <sup>7</sup>	Voltage	380V±10%(Three-phase five wire)
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( %of Output +Offset )	Voltage	≤0.05%+100mV
	Current	≤0.2%+420mA
Setup stability-8h ( %of Output +Offset )	Voltage	≤0.05%+100mV
	Current	≤0.2%+420mA
Readback stability-30min ( %of Output +Offset )	Voltage	≤0.05%+100mV
	Current	≤0.2%+420mA
Readback stability-8h ( %of Output +Offset )	Voltage	≤0.05%+100mV
	Current	≤0.2%+420mA
Efficiency	89%(50V/420A) ~ 90.5%(200V/105A)	
Remote Sense Compensation Voltage	2V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	57A	
Maximum input apparent power	26600VA	
Storage temperature	-10°C ~ 70°C	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)	500V	
Parallel Number	≤4	
Parallel Number of Power Dissipater	7/14/21	
Working temperature	0 ~ 40°C	
Dimension ( mm)	600 mmW×1475 mmH×841.1mmD ( ITECH 27U Cabinet )	
Weight( net)	230Kg	

### 5.1.17 IT6583C

Parameter		IT6583C Ver:V1.6
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 200V
	Output Current	0 ~ 480A
	Internal Sink Current <sup>1</sup>	0 ~ 200A
	External Sink Current <sup>1</sup>	0 ~ 480A
	Output Power	0 ~ 24KW
	Internal Sink Power <sup>1</sup>	0 ~ 1200W
	External Sink Power <sup>1</sup>	0 ~ 72KW
Output Resistance	Range	0 ~ 1.666Ω
	Accuracy <sup>2</sup>	0.25%+100mΩ
	Resolution	1mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+20mV
	Current	≤0.01%+240mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.05%+480mA
Setup Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Setup Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+480mA
	Power	≤1%+240W
Read Back Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+480mA
	Power	≤1%+240W
Ripple (20Hz -20MHz)	Voltage	≤200mVp-p
	Current	≤400mArms
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.05 %+100mV
	Current	≤0.2%+480mA
Read Back Temperature Coefficient	Voltage	≤0.05%+100mV

Parameter		IT6583C Ver:V1.6
(%of Output/°C+Offset)	Current	≤0.2%+480mA
Rise time( no load ) <sup>5</sup>	Voltage	≤15ms
Rise time( full load ) <sup>5</sup>	Voltage	≤30ms
Fall time( no load ) <sup>5</sup>	Voltage	≤50ms
Fall time( full load ) <sup>5</sup>	Voltage	≤15ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤80ms
	90% ~ -90%	≤80ms
Transient Response Time	Voltage	≤2ms
AC Input <sup>7</sup>	Voltage	380V±10%(Three-phase five wire)
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( %of Output +Offset )	Voltage	≤0.05%+100mV
	Current	≤0.2%+480mA
Setup stability-8h ( %of Output +Offset )	Voltage	≤0.05%+100mV
	Current	≤0.2%+480mA
Readback stability-30min ( %of Output +Offset )	Voltage	≤0.05%+100mV
	Current	≤0.2%+480mA
Readback stability-8h ( %of Output +Offset )	Voltage	≤0.05%+100mV
	Current	≤0.2%+480mA
Efficiency	89%(50V/480A) ~ 90.5%(200V/120A)	
Remote Sense Compensation Voltage	2V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	57A	
Maximum input apparent power	30400VA	
Storage temperature	-10°C ~ 70°C	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)	500V	
Parallel Number	≤4	
Parallel Number of Power Dissipater	8/16/24	
Working temperature	0 ~ 40°C	

Parameter		IT6583C Ver:V1.6
Dimension ( mm)	600 mmW×1475 mmH×841.1mmD ( ITECH 27U Cabinet )	
Weight( net)	248Kg	

## 5.1.18 IT6593C

Parameter		IT6593C Ver:V1.6
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 200V
	Output Current	0 ~ 600A
	Internal Sink Current <sup>1</sup>	0 ~ 250A
	External Sink Current <sup>1</sup>	0 ~ 600A
	Output Power	0 ~ 30KW
	Internal Sink Power <sup>1</sup>	0 ~ 1500W
	External Sink Power <sup>1</sup>	0 ~ 90KW
Output Resistance	Range	0 ~ 1.333Ω
	Accuracy <sup>2</sup>	0.25%+100mΩ
	Resolution	1mΩ
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+20mV
	Current	≤0.01%+300mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.05%+600mA
Setup Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Setup Accuracy ( within 12 months,25°C±5°C) ±(%of Output+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+600mA
	Power	≤1%+300W
Read Back Accuracy	Voltage	≤0.05%+100mV



Parameter		IT6593C Ver:V1.6
( within 12 months,25°C±5°C) ±(%of Output+Offset)	Current	≤0.2%+600mA
	Power	≤1%+300W
Ripple (20Hz -20MHz)	Voltage	≤200mVp-p
	Current	≤500mArms
Setup Temperature Coefficient (%of Output/°C+Offset)	Voltage	≤0.05 %+100mV
	Current	≤0.2%+600mA
Read Back Temperature Coefficient (%of Output/°C+Offset)	Voltage	≤0.05%+100mV
	Current	≤0.2%+600mA
Rise time( no load ) <sup>5</sup>	Voltage	≤15ms
Rise time( full load ) <sup>5</sup>	Voltage	≤30ms
Fall time( no load ) <sup>5</sup>	Voltage	≤50ms
Fall time( full load ) <sup>5</sup>	Voltage	≤15ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤100ms
	90% ~ -90%	≤100ms
Transient Response Time	Voltage	≤2ms
AC Input <sup>7</sup>	Voltage	380V±10%(Three-phase five wire)
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( %of Output +Offset )	Voltage	≤0.05%+100mV
	Current	≤0.2%+600mA
Setup stability-8h ( %of Output +Offset )	Voltage	≤0.05%+100mV
	Current	≤0.2%+600mA
Readback stability-30min ( %of Output +Offset )	Voltage	≤0.05%+100mV
	Current	≤0.2%+600mA
Readback stability-8h ( %of Output +Offset )	Voltage	≤0.05%+100mV
	Current	≤0.2%+600mA
Efficiency	89%(50V/600A) ~ 90.5%(200V/150A)	
Remote Sense Compensation Voltage	2V	
Command Response Time	20mS	
Power Factor	0.99	

Parameter	IT6593C Ver:V1.6
Maximum input current <sup>8</sup>	76A
Maximum input apparent power	38000VA
Storage temperature	-10°C ~ 70°C
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense
standard Interface	USB/RS232/CAN/GPIB/LAN
Isolation ( output to ground)	500V
Parallel Number	≤3
Parallel Number of Power Dissipater	10/20/30
Working temperature	0 ~ 40°C
Dimension ( mm)	600 mmW×1475 mmH×841.1mmD ( ITECH 27U Cabinet )
Weight( net)	284Kg

### 5.1.19 IT6514C

Parameter	IT6514C Ver:V1.6	
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 360V
	Output Current	0 ~ 30A
	Internal Sink Current <sup>1</sup>	0 ~ 12.5A
	External Sink Current <sup>1</sup>	0 ~ 30A
	Output Power	0 ~ 1800W
	Internal Sink Power <sup>1</sup>	0 ~ 150W
	External Sink Power <sup>1</sup>	0 ~ 5.4KW
Output Resistance	Range	0 ~ 72Ω
	Accuracy <sup>2</sup>	0.25%+135mΩ*A
	Resolution	1mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+40mV
	Current	≤0.01%+15mA
Load regulation	Voltage	≤0.01%+135mV

Parameter		IT6514C Ver:V1.6
±(% of Output+Offset)	Current	≤0.05%+30mA
Setup Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Setup Accuracy <sup>3</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+30mA
	Power	1%+30W
Read Back Accuracy <sup>4</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+30mA
	Power	1%+30W
Ripple (20Hz -20MHz)	Voltage	≤360mVp-p
	Current	≤0.05%+30mArms
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.02%+30mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.02%+30mA
Rise time( no load ) <sup>5</sup>	Voltage	≤50ms
Rise time( full load ) <sup>5</sup>	Voltage	≤80ms
Fall time( no load ) <sup>5</sup>	Voltage	≤250ms
Fall time( full load ) <sup>5</sup>	Voltage	≤110ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤50ms
	90% ~ -90%	≤50ms
Transient Response Time	Voltage	≤3ms
AC Input <sup>7</sup>	Voltage	220V±10%
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( % of Output +Offset )	Voltage	≤0.05%+135mV
	Current	≤0.1%+30mA
Setup stability-8h ( % of Output +Offset )	Voltage	≤0.05%+135mV
	Current	≤0.1%+30mA

Parameter		IT6514C Ver:V1.6	
Readback stability-30min ( %of Output +Offset )	Voltage	≤0.05%+135mV	
	Current	≤0.1%+30mA	
Readback stability-8h ( %of Output +Offset )	Voltage	≤0.05%+135mV	
	Current	≤0.1%+30mA	
Efficiency	80%		
Remote Sense Compensation Voltage	3V		
Command Response Time	20mS		
Power Factor	0.99		
Maximum input current <sup>8</sup>	12A		
Maximum input apparent power	2300VA		
Storage temperature	-10°C ~ 70°C		
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense		
standard Interface	USB/RS232/CAN/GPIB/LAN		
Isolation ( output to ground)	500V		
Parallel Number	≤8		
Parallel Number of Power Dissipater	1/2/3		
Working temperature	0 ~ 40°C		
Dimension ( mm)	483mmW×105.4mmH×640.8mmD		
Weight( net)	17Kg		

### 5.1.20 IT6524C

Parameter		IT6524C Ver:V1.6	
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 360V	
	Output Current	0 ~ 30A	
	Internal Sink Current <sup>1</sup>	0 ~ 12.5A	
	External Sink Current <sup>1</sup>	0 ~ 30A	
	Output Power	0 ~ 3000W	

Parameter		IT6524C Ver:V1.6
	Internal Sink Power <sup>1</sup>	0 ~ 150W
	External Sink Power <sup>1</sup>	0 ~ 9KW
Output Resistance	Range	0 ~ 43.2Ω
	Accuracy <sup>2</sup>	0.25%+135mΩ*A
	Resolution	1mΩ
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+40mV
	Current	≤0.01%+15mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.05%+30mA
Setup Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Setup Accuracy <sup>3</sup> ( within 12 months,25°C ±5°C) ±(%of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+30mA
	Power	1%+30W
Read Back Accuracy <sup>4</sup> ( within 12 months,25°C ±5°C) ±(%of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+30mA
	Power	1%+30W
Ripple (20Hz -20MHz)	Voltage	≤360mVp-p
	Current	≤0.05%+30mArms
Setup Temperature Coefficient (%of Output/°C+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.02%+30mA
Read Back Temperature Coefficient (%of Output/°C+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.02%+30mA
Rise time( no load ) <sup>5</sup>	Voltage	≤50ms
Rise time( full load ) <sup>5</sup>	Voltage	≤80ms
Fall time( no load ) <sup>5</sup>	Voltage	≤250ms
Fall time( full load ) <sup>5</sup>	Voltage	≤55ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤50ms
	90% ~ -90%	≤50ms

Parameter		IT6524C Ver:V1.6
Transient Response Time	Voltage	≤3ms
AC Input <sup>7</sup>	Voltage	220V±10%
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( %of Output +Offset )	Voltage	≤0.05%+135mV
	Current	≤0.1%+30mA
Setup stability-8h ( %of Output +Offset )	Voltage	≤0.05%+135mV
	Current	≤0.1%+30mA
Readback stability-30min ( %of Output +Offset )	Voltage	≤0.05%+135mV
	Current	≤0.1%+30mA
Readback stability-8h ( %of Output +Offset )	Voltage	≤0.05%+135mV
	Current	≤0.1%+30mA
Efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	19A	
Maximum input apparent power	3800VA	
Storage temperature	-10°C ~ 70°C	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)	500V	
Parallel Number	≤8	
Parallel Number of Power Dissipater	1/2/3	
Working temperature	0 ~ 40°C	
Dimension ( mm)	483mmW×105.4mmH×640.8mmD	
Weight( net)	17Kg	

**5.1.21 IT6534C**

Parameter		IT6534C Ver:V1.6
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 360V
	Output Current	0 ~ 60A
	Internal Sink Current <sup>1</sup>	0 ~ 25A
	External Sink Current <sup>1</sup>	0 ~ 60A
	Output Power	0 ~ 6KW
	Internal Sink Power <sup>1</sup>	0 ~ 300W
	External Sink Power <sup>1</sup>	0 ~ 18KW
Output Resistance	Range	0 ~ 21.6Ω
	Accuracy <sup>2</sup>	0.25%+135mΩ*A
	Resolution	1mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+40mV
	Current	≤0.01%+30mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.05%+60mA
Setup Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Setup Accuracy <sup>3</sup> ( within 12 months,25°C±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+60mA
	Power	1%+60W
Read Back Accuracy <sup>4</sup> ( within 12 months,25°C±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+60mA
	Power	1%+60W
Ripple (20Hz -20MHz)	Voltage	≤360mVp-p
	Current	≤0.05%+60mArms
Setup Temperature Coefficient	Voltage	≤0.01%+135mV

Parameter		IT6534C Ver:V1.6
(% of Output/°C+Offset)	Current	≤0.02%+60mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.02%+60mA
Rise time( no load ) <sup>5</sup>	Voltage	≤50ms
Rise time( full load ) <sup>5</sup>	Voltage	≤80ms
Fall time( no load ) <sup>5</sup>	Voltage	≤250ms
Fall time( full load ) <sup>5</sup>	Voltage	≤55ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤100ms
	90% ~ -90%	≤100ms
Transient Response Time	Voltage	≤3ms
AC Input <sup>7</sup>	Voltage	220V±10%
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( % of Output +Offset )	Voltage	≤0.05%+135mV
	Current	≤0.1%+60mA
Setup stability-8h ( % of Output +Offset )	Voltage	≤0.05%+135mV
	Current	≤0.1%+60mA
Readback stability-30min ( % of Output +Offset )	Voltage	≤0.05%+135mV
	Current	≤0.1%+60mA
Readback stability-8h ( % of Output +Offset )	Voltage	≤0.05%+135mV
	Current	≤0.1%+60mA
Efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	38A	
Maximum input apparent power	7600VA	
Storage temperature	-10°C ~ 70°C	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	



Parameter	IT6534C Ver:V1.6
Isolation ( output to ground)	500V
Parallel Number	≤8
Parallel Number of Power Dissipater	2/4/6
Working temperature	0 ~ 40°C
Dimension ( mm)	483mmW×194mmH×640.8mmD
Weight( net)	35Kg

## 5.1.22 IT6544C

Parameter	IT6544C Ver:V1.6	
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 360V
	Output Current	0 ~ 90A
	Internal Sink Current <sup>1</sup>	0 ~ 37.5A
	External Sink Current <sup>1</sup>	0 ~ 90A
	Output Power	0 ~ 9KW
	Internal Sink Power <sup>1</sup>	0 ~ 450W
	External Sink Power <sup>1</sup>	0 ~ 27KW
Output Resistance	Range	0 ~ 14.4Ω
	Accuracy <sup>2</sup>	0.25%+135mΩ*A
	Resolution	1mΩ
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+40mV
	Current	≤0.01%+45mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.05%+90mA
Setup Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	10mA

Parameter		IT6544C Ver:V1.6
	Power	0.1W
Setup Accuracy <sup>3</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+90mA
	Power	1%+90W
Read Back Accuracy <sup>4</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+90mA
	Power	1%+90W
Ripple (20Hz -20MHz)	Voltage	≤360mVp-p
	Current	≤0.05%+90mArms
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.02%+90mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.02%+90mA
Rise time( no load ) <sup>5</sup>	Voltage	≤50ms
Rise time( full load ) <sup>5</sup>	Voltage	≤80ms
Fall time( no load ) <sup>5</sup>	Voltage	≤250ms
Fall time( full load ) <sup>5</sup>	Voltage	≤55ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤150ms
	90% ~ -90%	≤150ms
Transient Response Time	Voltage	≤3ms
AC Input <sup>7</sup>	Voltage	220V±10%
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( % of Output +Offset )	Voltage	≤0.05%+135mV
	Current	≤0.1%+90mA
Setup stability-8h ( % of Output +Offset )	Voltage	≤0.05%+135mV
	Current	≤0.1%+90mA
Readback stability- 30min ( % of Output +Offset )	Voltage	≤0.05%+135mV
	Current	≤0.1%+90mA
Readback stability-8h ( % of Output +Offset )	Voltage	≤0.05%+135mV
	Current	≤0.1%+90mA
Efficiency		80%

Parameter		IT6544C Ver:V1.6
Remote Sense Compensation Voltage		3V
Command Response Time		20mS
Power Factor		0.99
Maximum input current <sup>8</sup>		19A
Maximum input apparent power		11400VA
Storage temperature		-10°C ~ 70°C
Protective function		Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense
standard Interface		USB/RS232/CAN/GPIB/LAN
Isolation ( output to ground)		500V
Parallel Number		≤8
Parallel Number of Power Dissipater		3/6/9
Working temperature		0 ~ 40°C
Dimension ( mm)		483mmW×283.2mmH×640.8mmD
Weight( net)		53Kg

### 5.1.23 IT6554C

Parameter		IT6554C Ver:V1.6
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 360V
	Output Current	0 ~ 120A
	Internal Sink Current <sup>1</sup>	0 ~ 50A
	External Sink Current <sup>1</sup>	0 ~ 120A
	Output Power	0 ~ 12KW
	Internal Sink Power <sup>1</sup>	0 ~ 600W
	External Sink Power <sup>1</sup>	0 ~ 36KW
Output Resistance	Range	0 ~ 10.8Ω
	Accuracy <sup>2</sup>	0.25%+135mΩ*A
	Resolution	1mΩ
Line regulation	Voltage	≤0.01%+40mV

Parameter		IT6554C Ver:V1.6
±(% of Output+Offset)	Current	≤0.01%+60mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.05%+120mA
Setup Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Setup Accuracy <sup>3</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+120mA
	Power	1%+120W
Read Back Accuracy <sup>4</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+120mA
	Power	1%+120W
Ripple (20Hz -20MHz)	Voltage	≤360mVp-p
	Current	≤0.05%+120mArms
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.02%+120mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.02%+120mA
Rise time( no load ) <sup>5</sup>	Voltage	≤50ms
Rise time( full load ) <sup>5</sup>	Voltage	≤80ms
Fall time( no load ) <sup>5</sup>	Voltage	≤250ms
Fall time( full load ) <sup>5</sup>	Voltage	≤55ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤200ms
	90% ~ -90%	≤200ms
Transient Response Time	Voltage	≤3ms
AC Input <sup>7</sup>	Voltage	380Vac±10%(Three-phase five wire)
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( % of Output +Offset )	Voltage	≤0.05%+135mV
	Current	≤0.1%+120mA

Parameter		IT6554C Ver:V1.6
Setup stability-8h ( %of Output +Offset )	Voltage	$\leq 0.05\% + 135\text{mV}$
	Current	$\leq 0.1\% + 120\text{mA}$
Readback stability-30min ( %of Output +Offset )	Voltage	$\leq 0.05\% + 135\text{mV}$
	Current	$\leq 0.1\% + 120\text{mA}$
Readback stability-8h ( %of Output +Offset )	Voltage	$\leq 0.05\% + 135\text{mV}$
	Current	$\leq 0.1\% + 120\text{mA}$
Efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	38A	
Maximum input apparent power	15200VA	
Storage temperature	$-10^{\circ}\text{C} \sim 70^{\circ}\text{C}$	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)	500V	
Parallel Number	$\leq 8$	
Parallel Number of Power Dissipater	4/8/12	
Working temperature	$0 \sim 40^{\circ}\text{C}$	
Dimension ( mm)	554mmW×902mmH×807.5mmD ( ITECH 15U Cabinet )	
Weight( net)	119Kg	

### 5.1.24 IT6564C

Parameter		IT6564C Ver:V1.6
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 360V
	Output Current	0 ~ 150A
	Internal Sink Current <sup>1</sup>	0 ~ 62.5A

Parameter		IT6564C Ver:V1.6
	External Sink Current <sup>1</sup>	0 ~ 150A
	Output Power	0 ~ 15KW
	Internal Sink Power <sup>1</sup>	0 ~ 750W
	External Sink Power <sup>1</sup>	0 ~ 45KW
Output Resistance	Range	0 ~ 8.64Ω
	Accuracy <sup>2</sup>	0.25%+135mΩ*A
	Resolution	1mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+40mV
	Current	≤0.01%+75mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.05%+150mA
Setup Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	10mA
	Power	0.1W
Setup Accuracy <sup>3</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+150mA
	Power	1%+150W
Read Back Accuracy <sup>4</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+150mA
	Power	1%+150W
Ripple (20Hz -20MHz)	Voltage	≤360mVp-p
	Current	≤0.05%+150mArms
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.02%+150mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.02%+150mA
Rise time( no load ) <sup>5</sup>	Voltage	≤50ms
Rise time( full load ) <sup>5</sup>	Voltage	≤80ms

Parameter		IT6564C Ver:V1.6
Fall time( no load ) <sup>5</sup>	Voltage	≤250ms
Fall time( full load ) <sup>5</sup>	Voltage	≤55ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤250ms
	90% ~ -90%	≤250ms
Transient Response Time	Voltage	≤3ms
AC Input <sup>7</sup>	Voltage	380Vac±10%(Three-phase five wire)
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( %of Output +Offset )	Voltage	≤0.05%+135mV
	Current	≤0.1%+150mA
Setup stability-8h ( %of Output +Offset )	Voltage	≤0.05%+135mV
	Current	≤0.1%+150mA
Readback stability-30min ( %of Output +Offset )	Voltage	≤0.05%+135mV
	Current	≤0.1%+150mA
Readback stability-8h ( %of Output +Offset )	Voltage	≤0.05%+135mV
	Current	≤0.1%+150mA
Efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	38A	
Maximum input apparent power	19000VA	
Storage temperature	-10°C ~ 70°C	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)	500V	
Parallel Number	≤6	
Parallel Number of Power Dissipater	5/10/15	
Working temperature	0 ~ 40°C	
Dimension ( mm)	554mmW×902mmH×807.5mmD ( ITECH 15U Cabinet )	
Weight( net)	137Kg	

### 5.1.25 IT6574C

Parameter		IT6574C Ver:V1.4
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 360V
	Output Current	0 ~ 210A
	Internal Sink Current <sup>1</sup>	0 ~ 87.5A
	External Sink Current <sup>1</sup>	0 ~ 210A
	Output Power	0 ~ 21KW
	Internal Sink Power <sup>1</sup>	0 ~ 1050W
	External Sink Power <sup>1</sup>	0 ~ 63KW
Output Resistance	Range	0 ~ 6.171Ω
	Accuracy <sup>2</sup>	0.25%+135mΩ*A
	Resolution	1mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+40mV
	Current	≤0.01%+105mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.05%+210mA
Setup Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Setup Accuracy <sup>3</sup> ( within 12 months,25°C±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+210mA
	Power	1%+210W
Read Back Accuracy <sup>4</sup> ( within 12 months,25°C±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+210mA
	Power	1%+210W
Ripple (20Hz -20MHz)	Voltage	≤360mVp-p



Parameter		IT6574C Ver:V1.4
	Current	$\leq 0.05\% + 210\text{mArms}$
Setup Temperature Coefficient (% of Output/ $^{\circ}\text{C} + \text{Offset}$ )	Voltage	$\leq 0.01\% + 135\text{mV}$
	Current	$\leq 0.02\% + 210\text{mA}$
Read Back Temperature Coefficient (% of Output/ $^{\circ}\text{C} + \text{Offset}$ )	Voltage	$\leq 0.01\% + 135\text{mV}$
	Current	$\leq 0.02\% + 210\text{mA}$
Rise time( no load ) <sup>5</sup>	Voltage	$\leq 50\text{ms}$
Rise time( full load ) <sup>5</sup>	Voltage	$\leq 80\text{ms}$
Fall time( no load ) <sup>5</sup>	Voltage	$\leq 250\text{ms}$
Fall time( full load ) <sup>5</sup>	Voltage	$\leq 55\text{ms}$
Current seamless switching <sup>6</sup>	-90% ~ 90%	$\leq 350\text{ms}$
	90% ~ -90%	$\leq 350\text{ms}$
Transient Response Time	Voltage	$\leq 3\text{ms}$
AC Input <sup>7</sup>	Voltage	$380\text{V} \pm 10\%$ (Three-phase five wire)
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( % of Output +Offset )	Voltage	$\leq 0.05\% + 135\text{mV}$
	Current	$\leq 0.1\% + 210\text{mA}$
Setup stability-8h ( % of Output +Offset )	Voltage	$\leq 0.05\% + 135\text{mV}$
	Current	$\leq 0.1\% + 210\text{mA}$
Readback stability-30min ( % of Output +Offset )	Voltage	$\leq 0.05\% + 135\text{mV}$
	Current	$\leq 0.1\% + 210\text{mA}$
Readback stability-8h ( % of Output +Offset )	Voltage	$\leq 0.05\% + 135\text{mV}$
	Current	$\leq 0.1\% + 210\text{mA}$
Efficiency		80%
Remote Sense Compensation Voltage		3V
Command Response Time		20mS
Power Factor		0.99
Maximum input current <sup>8</sup>		57A
Maximum input apparent power		26600VA
Storage temperature		$-10^{\circ}\text{C} \sim 70^{\circ}\text{C}$
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	

Parameter	IT6574C Ver:V1.4
standard Interface	USB/RS232/CAN/GPIB/LAN
Isolation ( output to ground)	500V
Parallel Number	≤4
Parallel Number of Power Dissipater	7/14/21
Working temperature	0 ~ 40°C
Dimension ( mm)	600 mmW×1475 mmH×841.1mmD ( ITECH 27U Cabinet )
Weight( net)	230Kg

### 5.1.26 IT6584C

Parameter	IT6584C Ver:V1.6	
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 360V
	Output Current	0 ~ 240A
	Internal Sink Current <sup>1</sup>	0 ~ 100A
	External Sink Current <sup>1</sup>	0 ~ 240A
	Output Power	0 ~ 24KW
	Internal Sink Power <sup>1</sup>	0 ~ 1200W
	External Sink Power <sup>1</sup>	0 ~ 72KW
Output Resistance	Range	0 ~ 5.4Ω
	Accuracy <sup>2</sup>	0.25%+135mΩ*A
	Resolution	1mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+40mV
	Current	≤0.01%+120mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.05%+240mA
Setup Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Read Back Resolution	Voltage	10mV

Parameter		IT6584C Ver:V1.6
	Current	100mA
	Power	0.1W
Setup Accuracy <sup>3</sup> ( within 12 months,25°C±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+240mA
	Power	1%+240W
Read Back Accuracy <sup>4</sup> ( within 12 months,25°C±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+240mA
	Power	1%+240W
Ripple (20Hz -20MHz)	Voltage	≤360mVp-p
	Current	≤0.05%+240mA <sub>rms</sub>
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.02%+240mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.02%+240mA
Rise time( no load ) <sup>5</sup>	Voltage	≤50ms
Rise time( full load ) <sup>5</sup>	Voltage	≤80ms
Fall time( no load ) <sup>5</sup>	Voltage	≤250ms
Fall time( full load ) <sup>5</sup>	Voltage	≤55ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤400ms
	90% ~ -90%	≤400ms
Transient Response Time	Voltage	≤3ms
AC Input <sup>7</sup>	Voltage	380V±10%(Three-phase five wire)
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( % of Output +Offset )	Voltage	≤0.05%+135mV
	Current	≤0.1%+240mA
Setup stability-8h ( % of Output +Offset )	Voltage	≤0.05%+135mV
	Current	≤0.1%+240mA
Readback stability-30min ( % of Output +Offset )	Voltage	≤0.05%+135mV
	Current	≤0.1%+240mA
Readback stability-8h ( % of Output +Offset )	Voltage	≤0.05%+135mV
	Current	≤0.1%+240mA
Efficiency		80%

Parameter	IT6584C Ver:V1.6
Remote Sense Compensation Voltage	3V
Command Response Time	20mS
Power Factor	0.99
Maximum input current <sup>8</sup>	57A
Maximum input apparent power	30400VA
Storage temperature	-10°C ~ 70°C
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense
standard Interface	USB/RS232/CAN/GPIB/LAN
Isolation ( output to ground)	500V
Parallel Number	≤4
Parallel Number of Power Dissipater	8/16/24
Working temperature	0 ~ 40°C
Dimension ( mm)	600 mmW×1475 mmH×841.1mmD ( ITECH 27U Cabinet )
Weight( net)	248Kg

### 5.1.27 IT6594C

Parameter	IT6594C Ver:V1.6	
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 360V
	Output Current	0 ~ 300A
	Internal Sink Current <sup>1</sup>	0 ~ 125A
	External Sink Current <sup>1</sup>	0 ~ 300A
	Output Power	0 ~ 30KW
	Internal Sink Power <sup>1</sup>	0 ~ 1500W
	External Sink Power <sup>1</sup>	0 ~ 90KW
Output Resistance	Range	0 ~ 4.32Ω
	Accuracy <sup>2</sup>	0.25%+135mΩ*A

Parameter		IT6594C Ver:V1.6
	Resolution	1mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+40mV
	Current	≤0.01%+150mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.05%+300mA
Setup Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Read Back Resolution	Voltage	10mV
	Current	100mA
	Power	0.1W
Setup Accuracy <sup>3</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+300mA
	Power	1%+300W
Read Back Accuracy <sup>4</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+135mV
	Current	≤0.2%+300mA
	Power	1%+300W
Ripple (20Hz -20MHz)	Voltage	≤360mVp-p
	Current	≤0.05%+300mArms
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.02%+300mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+135mV
	Current	≤0.02%+300mA
Rise time( no load ) <sup>5</sup>	Voltage	≤50ms
Rise time( full load ) <sup>5</sup>	Voltage	≤80ms
Fall time( no load ) <sup>5</sup>	Voltage	≤250ms
Fall time( full load ) <sup>5</sup>	Voltage	≤55ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤500ms
	90% ~ -90%	≤500ms
Transient Response Time	Voltage	≤3ms
AC Input <sup>7</sup>	Voltage	380V±10%(Three-phase five wire)
	Frequency	47Hz ~ 63Hz

Parameter		IT6594C Ver:V1.6
Setup stability-30min ( %of Output +Offset )	Voltage	$\leq 0.05\% + 135\text{mV}$
	Current	$\leq 0.1\% + 300\text{mA}$
Setup stability-8h ( %of Output +Offset )	Voltage	$\leq 0.05\% + 135\text{mV}$
	Current	$\leq 0.1\% + 300\text{mA}$
Readback stability-30min ( %of Output +Offset )	Voltage	$\leq 0.05\% + 135\text{mV}$
	Current	$\leq 0.1\% + 300\text{mA}$
Readback stability-8h ( %of Output +Offset )	Voltage	$\leq 0.05\% + 135\text{mV}$
	Current	$\leq 0.1\% + 300\text{mA}$
Efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	76A	
Maximum input apparent power	38000VA	
Storage temperature	$-10^{\circ}\text{C} \sim 70^{\circ}\text{C}$	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)	500V	
Parallel Number	$\leq 3$	
Parallel Number of Power Dissipater	10/20/30	
Working temperature	$0 \sim 40^{\circ}\text{C}$	
Dimension ( mm)	600 mmW×1475 mmH×841.1mmD ( ITECH 27U Cabinet )	
Weight( net)	284Kg	

## 5.1.28 IT6515C

Parameter		IT6515C Ver:V1.6
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 500V
	Output Current	0 ~ 20A

Parameter		IT6515C Ver:V1.6
	Internal Sink Current <sup>1</sup>	0 ~ 8A
	External Sink Current <sup>1</sup>	0 ~ 20A
	Output Power	0 ~ 1800W
	Internal Sink Power <sup>1</sup>	0 ~ 150W
	External Sink Power <sup>1</sup>	0 ~ 5400W
Output Resistance	Range	0 ~ 138.88Ω
	Accuracy <sup>2</sup>	0.25%+200mΩ
	Resolution	10mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.01%+10mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.05%+20mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy ( within 12 months,25°C±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+20mA
	Power	≤1%+30W
Read Back Accuracy ( within 12 months,25°C±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+20mA
	Power	≤1%+30W
Ripple (20Hz -20MHz)	Voltage	≤500mVp-p
	Current	≤40mArms
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.03 %+100mV
	Current	≤0.1%+30mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA

Parameter		IT6515C Ver:V1.6
Rise time( no load ) <sup>5</sup>	Voltage	≤40ms
Rise time( full load ) <sup>5</sup>	Voltage	≤70ms
Fall time( no load ) <sup>5</sup>	Voltage	≤100ms
Fall time( full load ) <sup>5</sup>	Voltage	≤50ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤20ms
	90% ~ -90%	≤20ms
Transient Response Time	Voltage	≤2ms
AC Input <sup>7</sup>	Voltage	220V±10%
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Setup stability-8h ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Readback stability-30min ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Readback stability-8h ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Efficiency	90%(150V/20A) ~ 93%(500V/6A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	
Ma Maximum input current <sup>8</sup>	10A	
Maximum input apparent power	2100VA	
Storage temperature	-10°C ~ 70°C	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)	500V	
Parallel Number	≤8	
Parallel Number of Power Dissipater	1/2/3	



Parameter	IT6515C Ver:V1.6
Working temperature	0 ~ 40°C
Dimension ( mm)	483mmW×105.4mmH×640.8mmD
Weight( net)	17Kg

### 5.1.29 IT6525C

Parameter	IT6525C Ver:V1.6	
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 500V
	Output Current	0 ~ 20A
	Internal Sink Current <sup>1</sup>	0 ~ 8A
	External Sink Current <sup>1</sup>	0 ~ 20A
	Output Power	0 ~ 3000W
	Internal Sink Power <sup>1</sup>	0 ~ 150W
	External Sink Power <sup>1</sup>	0 ~ 9KW
Output Resistance	Range	0 ~ 83.33Ω
	Accuracy <sup>2</sup>	0.25%+200mΩ
	Resolution	10mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.01%+10mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.05%+20mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+20mA
	Power	≤1%+30W

Parameter		IT6525C Ver:V1.6
Read Back Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+20mA
	Power	≤1%+30W
Ripple (20Hz -20MHz)	Voltage	≤500mVp-p
	Current	≤40mArms
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.03 %+100mV
	Current	≤0.1%+30mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Rise time( no load ) <sup>5</sup>	Voltage	≤40ms
Rise time( full load ) <sup>5</sup>	Voltage	≤70ms
Fall time( no load ) <sup>5</sup>	Voltage	≤100ms
Fall time( full load ) <sup>5</sup>	Voltage	≤25ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤20ms
	90% ~ -90%	≤20ms
Transient Response Time	Voltage	≤2ms
AC Input <sup>7</sup>	Voltage	220V±10%
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( % of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Setup stability-8h ( % of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Readback stability- 30min ( % of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Readback stability-8h ( % of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Efficiency	90%(150V/20A) ~ 93%(500V/6A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	

Parameter	IT6525C Ver:V1.6
Maximum input current <sup>8</sup>	19A
Maximum input apparent power	3800VA
Storage temperature	-10°C ~ 70°C
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense
standard Interface	USB/RS232/CAN/GPIB/LAN
Isolation ( output to ground)	500V
Parallel Number	≤8
Parallel Number of Power Dissipater	1/2/3
Working temperature	0 ~ 40°C
Dimension ( mm)	483mmW×105.4mmH×640.8mmD
Weight( net)	17Kg

### 5.1.30 IT6535C

Parameter	IT6535C Ver:V1.6	
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 500V
	Output Current	0 ~ 40A
	Internal Sink Current <sup>1</sup>	0 ~ 16A
	External Sink Current <sup>1</sup>	0 ~ 40A
	Output Power	0 ~ 6KW
	Internal Sink Power <sup>1</sup>	0 ~ 300W
	External Sink Power <sup>1</sup>	0 ~ 18KW
Output Resistance	Range	0 ~ 41.66Ω
	Accuracy <sup>2</sup>	0.25%+200mΩ
	Resolution	10mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.01%+20mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.05%+40mA

Parameter		IT6535C Ver:V1.6
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+40mA
	Power	≤1%+60W
Read Back Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+40mA
	Power	≤1%+60W
Ripple (20Hz -20MHz)	Voltage	≤500mVp-p
	Current	≤80mArms
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.03 %+100mV
	Current	≤0.1%+60mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+60mA
Rise time( no load ) <sup>5</sup>	Voltage	≤40ms
Rise time( full load ) <sup>5</sup>	Voltage	≤70ms
Fall time( no load ) <sup>5</sup>	Voltage	≤100ms
Fall time( full load ) <sup>5</sup>	Voltage	≤25ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤40ms
	90% ~ -90%	≤40ms
Transient Response Time	Voltage	≤2ms
AC Input <sup>7</sup>	Voltage	220V±10%
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( % of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+60mA
Setup stability-8h ( % of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+60mA
Readback stability-30min ( % of Output +Offset )	Voltage	≤0.03%+100mV

Parameter		IT6535C Ver:V1.6
	Current	≤0.1%+60mA
Readback stability-8h ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+60mA
Efficiency	90%(150V/40A) ~ 93%(500V/12A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	38A	
Maximum input apparent power	7600VA	
Storage temperature	-10°C ~ 70°C	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)	500V	
Parallel Number	≤8	
Parallel Number of Power Dissipater	2/4/6	
Working temperature	0 ~ 40°C	
Dimension ( mm)	483mmW×194mmH×640.8mmD	
Weight( net)	35Kg	

### 5.1.31 IT6545C

Parameter		IT6545C Ver:V1.6
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 500V
	Output Current	0 ~ 60A
	Internal Sink Current <sup>1</sup>	0 ~ 24A
	External Sink Current <sup>1</sup>	0 ~ 60A
	Output Power	0 ~ 9KW
	Internal Sink Power <sup>1</sup>	0 ~ 450W
	External Sink Power <sup>1</sup>	0 ~ 27KW
Output Resistance	Range	0 ~ 27.77Ω

Parameter		IT6545C Ver:V1.6
	Accuracy <sup>2</sup>	0.25%+200mΩ
	Resolution	10mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.01%+30mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.05%+60mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+60mA
	Power	≤1%+90W
Read Back Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+60mA
	Power	≤1%+90W
Ripple (20Hz -20MHz)	Voltage	≤500mVp-p
	Current	≤120mA <sub>rms</sub>
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.03 %+100mV
	Current	≤0.1%+90mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+90mA
Rise time( no load ) <sup>5</sup>	Voltage	≤40ms
Rise time( full load ) <sup>5</sup>	Voltage	≤70ms
Fall time( no load ) <sup>5</sup>	Voltage	≤100ms
Fall time( full load ) <sup>5</sup>	Voltage	≤25ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤60ms
	90% ~ -90%	≤60ms
Transient Response Time	Voltage	≤2ms
AC Input <sup>7</sup>	Voltage	220V±10%

Parameter		IT6545C Ver:V1.6
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+90mA
Setup stability-8h ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+90mA
Readback stability-30min ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+90mA
Readback stability-8h ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+90mA
Efficiency	90%(150V/60A) ~ 93%(500V/18A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	19A	
Maximum input apparent power	11400VA	
Storage temperature	-10°C ~ 70°C	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)	500V	
Parallel Number	≤8	
Parallel Number of Power Dissipater	3/6/9	
Working temperature	0 ~ 40°C	
Dimension ( mm)	483mmW×283.2mmH×640.8mmD	
Weight( net)	53Kg	

### 5.1.32 IT6555C

Parameter		IT6555C Version: V1.6
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 500V
	Output Current	0 ~ 80A

Parameter		IT6555C Version: V1.6
	Internal Sink Current <sup>1</sup>	0 ~ 32A
	External Sink Current <sup>1</sup>	0 ~ 80A
	Output Power	0 ~ 12KW
	Internal Sink Power <sup>1</sup>	0 ~ 600W
	External Sink Power <sup>1</sup>	0 ~ 36KW
Output Resistance	Range	0 ~ 20.83Ω
	Accuracy <sup>2</sup>	0.25%+200mΩ
	Resolution	10mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.01%+40mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.05%+80mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy ( within 12 months, 25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+80mA
	Power	≤1%+120W
Read Back Accuracy ( within 12 months, 25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+80mA
	Power	≤1%+120W
Ripple (20Hz -20MHz)	Voltage	≤500mVp-p
	Current	≤160mArms
Setup Temperature Coefficient Coefficient (% of Output/°C+Offset)	Voltage	≤0.03 %+100mV
	Current	≤0.1%+120mA
Read Back Temperature Coefficient Coefficient (% of Output/°C+Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+120mA
Rise time( no load ) <sup>5</sup>	Voltage	≤40ms



Parameter		IT6555C Version: V1.6
Rise time( full load ) <sup>5</sup>	Voltage	≤70ms
Fall time( no load ) <sup>5</sup>	Voltage	≤100ms
Fall time( full load ) <sup>5</sup>	Voltage	≤25ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤80ms
	90% ~ -90%	≤80ms
Transient Response Time	Voltage	≤2ms
AC Input <sup>7</sup>	Voltage	380Vac±10%(Three-phase five wire)
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+120mA
Setup stability-8h ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+120mA
Readback stability-30min ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+120mA
Readback stability-8h ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+120mA
Efficiency	90%(150V/80A) ~ 93%(500V/24A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	38A	
Maximum input apparent power	15200VA	
Storage Temperature Coefficient	-10°C ~ 70°C	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense reversed	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)	500V	
Parallel Number	≤8	
Parallel Number of Power Dissipater	4/8/12	

Parameter	IT6555C Version: V1.6
Working Temperature Coefficient	0 ~ 40°C
Dimension ( mm)	554mmW×902mmH×807.5mmD ( ITECH 15U Cabinet )
Weight( net)	119Kg

### 5.1.33 IT6565C

Parameter	IT6565C Ver:V1.6	
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 500V
	Output Current	0 ~ 100A
	Internal Sink Current <sup>1</sup>	0 ~ 40A
	External Sink Current <sup>1</sup>	0 ~ 100A
	Output Power	0 ~ 15KW
	Internal Sink Power <sup>1</sup>	0 ~ 750W
	External Sink Power <sup>1</sup>	0 ~ 45KW
Output Resistance	Range	0 ~ 16.667Ω
	Accuracy <sup>2</sup>	0.25%+200mΩ
	Resolution	10mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.01%+50mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.05%+100mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+100mA
	Power	≤1%+150W

Parameter		IT6565C Ver:V1.6
Read Back Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.03%+200mV
	Current	≤0.2%+100mA
	Power	≤1%+150W
Ripple (20Hz -20MHz)	Voltage	≤500mVp-p
	Current	≤200mArms
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.03 %+100mV
	Current	≤0.1%+150mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+150mA
Rise time( no load ) <sup>5</sup>	Voltage	≤40ms
Rise time( full load ) <sup>5</sup>	Voltage	≤70ms
Fall time( no load ) <sup>5</sup>	Voltage	≤100ms
Fall time( full load ) <sup>5</sup>	Voltage	≤25ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤100ms
	90% ~ -90%	≤100ms
Transient Response Time	Voltage	≤2ms
AC Input <sup>7</sup>	Voltage	380Vac±10%(Three-phase five wire)
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( % of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+150mA
Setup stability-8h ( % of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+150mA
Readback stability-30min ( % of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+150mA
Readback stability-8h ( % of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+150mA
Efficiency	90%(150V/20A) ~ 93%(500V/6A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	38A	

Parameter	IT6565C Ver:V1.6
Maximum input apparent power	19000VA
Storage temperature	-10°C ~ 70°C
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense
standard Interface	USB/RS232/CAN/GPIB/LAN
Isolation ( output to ground)	500V
Parallel Number	≤6
Parallel Number of Power Dissipater	5/10/15
Working temperature	0 ~ 40°C
Dimension ( mm)	554mmW×902mmH×807.5mmD ( ITECH 15U Cabinet )
Weight( net)	137Kg

### 5.1.34 IT6575C

Parameter	IT6575C Ver:V1.6	
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 500V
	Output Current	0 ~ 140A
	Internal Sink Current <sup>1</sup>	0 ~ 56A
	External Sink Current <sup>1</sup>	0 ~ 140A
	Output Power	0 ~ 21KW
	Internal Sink Power <sup>1</sup>	0 ~ 1050W
	External Sink Power <sup>1</sup>	0 ~ 63KW
Output Resistance	Range	0 ~ 11.90Ω
	Accuracy <sup>2</sup>	0.25%+200mΩ
	Resolution	10mΩ
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.01%+70mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.05%+140mA

Parameter		IT6575C Ver:V1.6
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy ( within 12 months,25°C±5°C) ±(%of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+140mA
	Power	≤1%+210W
Read Back Accuracy ( within 12 months,25°C±5°C) ±(%of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+140mA
	Power	≤1%+210W
Ripple (20Hz -20MHz)	Voltage	≤500mVp-p
	Current	≤280mArms
Setup Temperature Coefficient (%of Output/°C+Offset)	Voltage	≤0.03 %+100mV
	Current	≤0.1%+210mA
Read Back Temperature Coefficient (%of Output/°C+Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+210mA
Rise time( no load ) <sup>5</sup>	Voltage	≤40ms
Rise time( full load ) <sup>5</sup>	Voltage	≤70ms
Fall time( no load ) <sup>5</sup>	Voltage	≤100ms
Fall time( full load ) <sup>5</sup>	Voltage	≤25ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤140ms
	90% ~ -90%	≤140ms
Transient Response Time	Voltage	≤2ms
AC Input <sup>7</sup>	Voltage	380V±10%(Three-phase five wire)
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+210mA
Setup stability-8h ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+210mA
Readback stability-30min	Voltage	≤0.03%+100mV

Parameter		IT6575C Ver:V1.6
( %of Output +Offset )	Current	$\leq 0.1\% + 210\text{mA}$
Readback stability-8h ( %of Output +Offset )	Voltage	$\leq 0.03\% + 100\text{mV}$
	Current	$\leq 0.1\% + 210\text{mA}$
Efficiency	90%(150V/140A) ~ 93%(500V/42A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	57A	
Maximum input apparent power	26600VA	
Storage temperature	-10°C ~ 70°C	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)	500V	
Parallel Number	$\leq 4$	
Parallel Number of Power Dissipater	7/14/21	
Working temperature	0 ~ 40°C	
Dimension ( mm)	600 mmW×1475 mmH×841.1mmD ( ITECH 27U Cabinet )	
Weight( net)	230Kg	

### 5.1.35 IT6585C

Parameter		IT6585C Ver:V1.6
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 500V
	Output Current	0 ~ 160A
	Internal Sink Current <sup>1</sup>	0 ~ 64A
	External Sink Current <sup>1</sup>	0 ~ 160A
	Output Power	0 ~ 24KW
	Internal Sink Power <sup>1</sup>	0 ~ 1200W

Parameter		IT6585C Ver:V1.6
	External Sink Power <sup>1</sup>	0 ~ 72KW
Output Resistance	Range	0 ~ 10.417Ω
	Accuracy <sup>2</sup>	0.25%+200mΩ
	Resolution	10mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.01%+80mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.05%+160mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+160mA
	Power	≤1%+240W
Read Back Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+160mA
	Power	≤1%+240W
Ripple (20Hz -20MHz)	Voltage	≤500mVp-p
	Current	≤320mA <sub>rms</sub>
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.03 % +100mV
	Current	≤0.1%+240mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+240mA
Rise time( no load ) <sup>5</sup>	Voltage	≤40ms
Rise time( full load ) <sup>5</sup>	Voltage	≤70ms
Fall time( no load ) <sup>5</sup>	Voltage	≤100ms
Fall time( full load ) <sup>5</sup>	Voltage	≤25ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤160ms
	90% ~ -90%	≤160ms

Parameter		IT6585C Ver:V1.6
Transient Response Time	Voltage	≤2ms
AC Input <sup>7</sup>	Voltage	380V±10%(Three-phase five wire)
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+240mA
Setup stability-8h ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+240mA
Readback stability-30min ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+240mA
Readback stability-8h ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+240mA
Efficiency	90%(150V/160A) ~ 93%(500V/48A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	57A	
Maximum input apparent power	30400VA	
Storage temperature	-10°C ~ 70°C	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)	500V	
Parallel Number	≤4	
Parallel Number of Power Dissipater	8/16/24	
Working temperature	0 ~ 40°C	
Dimension ( mm)	600 mmW×1475 mmH×841.1mmD ( ITECH 27U Cabinet )	
Weight( net)	248Kg	



### 5.1.36 IT6595C

Parameter		IT6595C Ver:V1.6
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 500V
	Output Current	0 ~ 200A
	Internal Sink Current <sup>1</sup>	0 ~ 80A
	External Sink Current <sup>1</sup>	0 ~ 200A
	Output Power	0 ~ 30KW
	Internal Sink Power <sup>1</sup>	0 ~ 1500W
	External Sink Power <sup>1</sup>	0 ~ 90KW
Output Resistance	Range	0 ~ 8.33Ω
	Accuracy <sup>2</sup>	0.25%+200mΩ
	Resolution	10mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+50mV
	Current	≤0.01%+100mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.05%+200mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+200mA
	Power	≤1%+300W
Read Back Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+200mV
	Current	≤0.2%+200mA
	Power	≤1%+300W
Ripple (20Hz -20MHz)	Voltage	≤500mVp-p
	Current	≤400mArms
Setup Temperature Coefficient	Voltage	≤0.03 % +100mV

Parameter		IT6595C Ver:V1.6
(% of Output/°C+Offset)	Current	$\leq 0.1\% + 300\text{mA}$
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	$\leq 0.03\% + 100\text{mV}$
	Current	$\leq 0.1\% + 300\text{mA}$
Rise time( no load ) <sup>5</sup>	Voltage	$\leq 40\text{ms}$
Rise time( full load ) <sup>5</sup>	Voltage	$\leq 70\text{ms}$
Fall time( no load ) <sup>5</sup>	Voltage	$\leq 100\text{ms}$
Fall time( full load ) <sup>5</sup>	Voltage	$\leq 25\text{ms}$
Current seamless switching <sup>6</sup>	-90% ~ 90%	$\leq 200\text{ms}$
	90% ~ -90%	$\leq 200\text{ms}$
Transient Response Time	Voltage	$\leq 2\text{ms}$
AC Input <sup>7</sup>	Voltage	380V $\pm$ 10%(Three-phase five wire)
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( % of Output +Offset )	Voltage	$\leq 0.03\% + 100\text{mV}$
	Current	$\leq 0.1\% + 300\text{mA}$
Setup stability-8h ( % of Output +Offset )	Voltage	$\leq 0.03\% + 100\text{mV}$
	Current	$\leq 0.1\% + 300\text{mA}$
Readback stability-30min ( % of Output +Offset )	Voltage	$\leq 0.03\% + 100\text{mV}$
	Current	$\leq 0.1\% + 300\text{mA}$
Readback stability-8h ( % of Output +Offset )	Voltage	$\leq 0.03\% + 100\text{mV}$
	Current	$\leq 0.1\% + 300\text{mA}$
Efficiency	90%(150V/200A) ~ 93%(500V/60A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	76A	
Maximum input apparent power	38000VA	
Storage temperature	-10°C ~ 70°C	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)	500V	

Parameter	IT6595C Ver:V1.6
Parallel Number	≤3
Parallel Number of Power Dissipater	10/20/30
Working temperature	0 ~ 40°C
Dimension ( mm)	600 mmW×1475 mmH×841.1mmD ( ITECH 27U Cabinet )
Weight( net)	284Kg

### 5.1.37 IT6516C

Parameter	IT6516C Ver:V1.4	
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 750V
	Output Current	0 ~ 15A
	Internal Sink Current <sup>1</sup>	0 ~ 1.5A
	External Sink Current <sup>1</sup>	0 ~ 15A
	Output Power	0 ~ 1800W
	Internal Sink Power <sup>1</sup>	0 ~ 50W
	External Sink Power <sup>1</sup>	0 ~ 5.4KW
Output Resistance	Range	0 ~ 312.5Ω
	Accuracy <sup>2</sup>	0.25%+300mΩ
	Resolution	10mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+75mV
	Current	≤0.1%+7.5mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+200mV
	Current	≤0.05%+15mA
Setup Resolution	Voltage	100mV
	Current	1mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	1mA
	Power	0.1W
Setup Accuracy	Voltage	≤0.05%+300mV

Parameter		IT6516C Ver:V1.4
( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Current	≤0.2%+15mA
	Power	≤1%+30W
Read Back Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+15mA
	Power	≤1%+30W
Ripple (20Hz -20MHz)	Voltage	≤750mVp-p
	Current	≤30mArms
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.03 % +100mV
	Current	≤0.1%+30mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Rise time( no load ) <sup>5</sup>	Voltage	≤50ms
Rise time( full load ) <sup>5</sup>	Voltage	≤80ms
Fall time( no load ) <sup>5</sup>	Voltage	≤250ms
Fall time( full load ) <sup>5</sup>	Voltage	≤40ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤35ms
	90% ~ -90%	≤35ms
Transient Response Time	Voltage	≤3.5ms
AC Input <sup>7</sup>	Voltage	220V±10%
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( % of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Setup stability-8h ( % of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Readback stability-30min ( % of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Readback stability-8h ( % of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Efficiency	91.5%(200V/15A) ~ 93.5%(750V/4A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	

Parameter	IT6516C Ver:V1.4
Power Factor	0.99
Maximum input current <sup>8</sup>	10A
Maximum input apparent power	2000VA
Storage temperature	-10°C ~ 70°C
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense
standard Interface	USB/RS232/CAN/GPIB/LAN
Isolation ( output to ground)	750V
Parallel Number	≤8
Parallel Number of Power Dissipater	1/2/3
Working temperature	0 ~ 40°C
Dimension ( mm)	483mmW×105.4mmH×640.8mmD
Weight( net)	17Kg

### 5.1.38 IT6526C

Parameter	IT6526C Ver:V1.6	
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 750V
	Output Current	0 ~ 15A
	Internal Sink Current <sup>1</sup>	0 ~ 1.5A
	External Sink Current <sup>1</sup>	0 ~ 15A
	Output Power	0 ~ 3000W
	Internal Sink Power <sup>1</sup>	0 ~ 50W
	External Sink Power <sup>1</sup>	0 ~ 9KW
Output Resistance	Range	0 ~ 188Ω
	Accuracy <sup>2</sup>	0.25%+300mΩ
	Resolution	10mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+75mV
	Current	≤0.1%+7.5mA
Load regulation	Voltage	≤0.01%+200mV

Parameter		IT6526C Ver:V1.6
±(% of Output+Offset)	Current	≤0.05%+15mA
Setup Resolution	Voltage	100mV
	Current	1mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	1mA
	Power	0.1W
Setup Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+15mA
	Power	≤1%+30W
Read Back Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+15mA
	Power	≤1%+30W
Ripple (20Hz -20MHz)	Voltage	≤750mVp-p
	Current	≤30mArms
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.03 %+100mV
	Current	≤0.1%+30mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Rise time( no load ) <sup>5</sup>	Voltage	≤50ms
Rise time( full load ) <sup>5</sup>	Voltage	≤80ms
Fall time( no load ) <sup>5</sup>	Voltage	≤250ms
Fall time( full load ) <sup>5</sup>	Voltage	≤20ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤35ms
	90% ~ -90%	≤35ms
Transient Response Time	Voltage	≤3.5ms
AC Input <sup>7</sup>	Voltage	220V±10%
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( % of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Setup stability-8h ( % of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA

Parameter		IT6526C Ver:V1.6
Readback stability-30min ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Readback stability-8h ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+30mA
Efficiency	91.5%(200V/15A) ~ 93.5%(750V/4A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	19A	
Maximum input apparent power	3800VA	
Storage temperature	-10°C ~ 70°C	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)	750V	
Parallel Number	≤8	
Parallel Number of Power Dissipater	1/2/3	
Working temperature	0 ~ 40°C	
Dimension ( mm)	483mmW×105.4mmH×640.8mmD	
Weight( net)	17Kg	

### 5.1.39 IT6536C

Parameter		IT6536C Ver:V1.6
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 750V
	Output Current	0 ~ 30A
	Internal Sink Current <sup>1</sup>	0 ~ 3A
	External Sink Current <sup>1</sup>	0 ~ 30A
	Output Power	0 ~ 6KW

Parameter		IT6536C Ver:V1.6
	Internal Sink Power <sup>1</sup>	0 ~ 100W
	External Sink Power <sup>1</sup>	0 ~ 18KW
Output Resistance	Range	0 ~ 93.75Ω
	Accuracy <sup>2</sup>	0.25%+300mΩ
	Resolution	10mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+75mV
	Current	≤0.1%+15mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+200mV
	Current	≤0.05%+30mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy ( within 12 months,25°C±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+30mA
	Power	≤1%+60W
Read Back Accuracy ( within 12 months,25°C±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+30mA
	Power	≤1%+60W
Ripple (20Hz -20MHz)	Voltage	≤750mVp-p
	Current	≤60mArms
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.03 %+100mV
	Current	≤0.1%+60mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+60mA
Rise time( no load ) <sup>5</sup>	Voltage	≤50ms
Rise time( full load ) <sup>5</sup>	Voltage	≤80ms
Fall time( no load ) <sup>5</sup>	Voltage	≤250ms
Fall time( full load ) <sup>5</sup>	Voltage	≤20ms



Parameter		IT6536C Ver:V1.6
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤70ms
	90% ~ -90%	≤70ms
Transient Response Time	Voltage	≤3.5ms
AC Input <sup>7</sup>	Voltage	220V±10%
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+60mA
Setup stability-8h ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+60mA
Readback stability-30min ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+60mA
Readback stability-8h ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+60mA
Efficiency	91.5%(200V/30A) ~ 93.5%(750V/8A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	38A	
Maximum input apparent power	7600VA	
Storage temperature	-10°C ~ 70°C	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)	750V	
Parallel Number	≤8	
Parallel Number of Power Dissipater	2/4/6	
Working temperature	0 ~ 40°C	
Dimension ( mm)	483mmW×194mmH×640.8mmD	
Weight( net)	35Kg	

## 5.1.40 IT6546C

Parameter		IT6546C Ver:V1.6
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 750V
	Output Current	0 ~ 45A
	Internal Sink Current <sup>1</sup>	0 ~ 4.5A
	External Sink Current <sup>1</sup>	0 ~ 45A
	Output Power	0 ~ 9KW
	Internal Sink Power <sup>1</sup>	0 ~ 150W
	External Sink Power <sup>1</sup>	0 ~ 27KW
Output Resistance	Range	0 ~ 62.5Ω
	Accuracy <sup>2</sup>	0.25%+300mΩ
	Resolution	10mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+75mV
	Current	≤0.1%+22.5mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+200mV
	Current	≤0.05%+45mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+45mA
	Power	≤1%+90W
Read Back Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+45mA
	Power	≤1%+90W
Ripple (20Hz -20MHz)	Voltage	≤750mVp-p
	Current	≤90mArms
Setup Temperature Coefficient	Voltage	≤0.03 % +100mV

Parameter		IT6546C Ver:V1.6
(%of Output/°C+Offset)	Current	≤0.1%+90mA
Read Back Temperature Coefficient (%of Output/°C+Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+90mA
Rise time( no load ) <sup>5</sup>	Voltage	≤50ms
Rise time( full load ) <sup>5</sup>	Voltage	≤80ms
Fall time( no load ) <sup>5</sup>	Voltage	≤250ms
Fall time( full load ) <sup>5</sup>	Voltage	≤20ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤105ms
	90% ~ -90%	≤105ms
Transient Response Time	Voltage	≤3.5ms
AC Input <sup>7</sup>	Voltage	220V±10%
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+90mA
Setup stability-8h ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+90mA
Readback stability-30min ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+90mA
Readback stability-8h ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+90mA
Efficiency	91.5%(200V/45A) ~ 93.5%(750V/12A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	19A	
Maximum input apparent power	11400VA	
Storage temperature	-10°C ~ 70°C	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	

Parameter	IT6546C Ver:V1.6
Isolation ( output to ground)	750V
Parallel Number	≤8
Parallel Number of Power Dissipater	3/6/9
Working temperature	0 ~ 40°C
Dimension ( mm)	483mmW×283.2mmH×640.8mmD
Weight( net)	53Kg

### 5.1.41 IT6556C

Parameter	IT6556C Ver:V1.6	
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 750V
	Output Current	0 ~ 60A
	Internal Sink Current <sup>1</sup>	0 ~ 6A
	External Sink Current <sup>1</sup>	0 ~ 60A
	Output Power	0 ~ 12KW
	Internal Sink Power <sup>1</sup>	0 ~ 200W
	External Sink Power <sup>1</sup>	0 ~ 36KW
Output Resistance	Range	0 ~ 46.87Ω
	Accuracy <sup>2</sup>	0.25%+300mΩ
	Resolution	10mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+75mV
	Current	≤0.1%+30mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+200mV
	Current	≤0.05%+60mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA

Parameter		IT6556C Ver:V1.6
	Power	0.1W
Setup Accuracy ( within 12 months,25°C±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+60mA
	Power	≤1%+120W
Read Back Accuracy ( within 12 months,25°C±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+60mA
	Power	≤1%+120W
Ripple (20Hz -20MHz)	Voltage	≤750mVp-p
	Current	≤120mArms
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.03 % +100mV
	Current	≤0.1%+120mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+120mA
Rise time( no load ) <sup>5</sup>	Voltage	≤50ms
Rise time( full load ) <sup>5</sup>	Voltage	≤80ms
Fall time( no load ) <sup>5</sup>	Voltage	≤250ms
Fall time( full load ) <sup>5</sup>	Voltage	≤20ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤140ms
	90% ~ -90%	≤140ms
Transient Response Time	Voltage	≤3.5ms
AC Input <sup>7</sup>	Voltage	380Vac±10%(Three-phase five wire)
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( % of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+120mA
Setup stability-8h ( % of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+120mA
Readback stability- 30min ( % of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+120mA
Readback stability-8h ( % of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+120mA
Efficiency	91.5%(200V/60A) ~ 93.5%(750V/16A)	

Parameter	IT6556C Ver:V1.6
Remote Sense Compensation Voltage	5V
Command Response Time	20mS
Power Factor	0.99
Maximum input current <sup>8</sup>	38A
Maximum input apparent power	15200VA
Storage temperature	-10°C ~ 70°C
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense
standard Interface	USB/RS232/CAN/GPIB/LAN
Isolation ( output to ground)	750V
Parallel Number	≤8
Parallel Number of Power Dissipater	4/8/12
Working temperature	0 ~ 40°C
Dimension ( mm)	554mmW×902mmH×807.5mmD ( ITECH 15U Cabinet )
Weight( net)	119Kg

### 5.1.42 IT6566C

Parameter	IT6566C Ver:V1.6	
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 750V
	Output Current	0 ~ 75A
	Internal Sink Current <sup>1</sup>	0 ~ 7.5A
	External Sink Current <sup>1</sup>	0 ~ 75A
	Output Power	0 ~ 15KW
	Internal Sink Power <sup>1</sup>	0 ~ 250W
	External Sink Power <sup>1</sup>	0 ~ 45KW
Output Resistance	Range	0 ~ 37.5Ω
	Accuracy <sup>2</sup>	0.25%+300mΩ
	Resolution	10mΩ

Parameter		IT6566C Ver:V1.6
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+75mV
	Current	≤0.1%+37.5mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+200mV
	Current	≤0.05%+75mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+75mA
	Power	≤1%+150W
Read Back Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+75mA
	Power	≤1%+150W
Ripple (20Hz -20MHz)	Voltage	≤750mVp-p
	Current	≤150mArms
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.03 %+100mV
	Current	≤0.1%+150mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+150mA
Rise time( no load ) <sup>5</sup>	Voltage	≤50ms
Rise time( full load ) <sup>5</sup>	Voltage	≤80ms
Fall time( no load ) <sup>5</sup>	Voltage	≤250ms
Fall time( full load ) <sup>5</sup>	Voltage	≤20ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤175ms
	90% ~ -90%	≤175ms
Transient Response Time	Voltage	≤3.5ms
AC Input <sup>7</sup>	Voltage	380Vac±10%(Three-phase five wire)
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( % of Output +Offset )	Voltage	≤0.03%+100mV

Parameter		IT6566C Ver:V1.6
	Current	$\leq 0.1\% + 150\text{mA}$
Setup stability-8h ( %of Output +Offset )	Voltage	$\leq 0.03\% + 100\text{mV}$
	Current	$\leq 0.1\% + 150\text{mA}$
Readback stability-30min ( %of Output +Offset )	Voltage	$\leq 0.03\% + 100\text{mV}$
	Current	$\leq 0.1\% + 150\text{mA}$
Readback stability-8h ( %of Output +Offset )	Voltage	$\leq 0.03\% + 100\text{mV}$
	Current	$\leq 0.1\% + 150\text{mA}$
Efficiency	91.5%(200V/75A) ~ 93.5%(750V/20A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	38A	
Maximum input apparent power	19000VA	
Storage temperature	-10°C ~ 70°C	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)	750V	
Parallel Number	$\leq 6$	
Parallel Number of Power Dissipater	5/10/15	
Working temperature	0 ~ 40°C	
Dimension ( mm)	554mmW×902mmH×807.5mmD ( ITECH 15U Cabinet )	
Weight( net)	137Kg	

### 5.1.43 IT6576C

Parameter		IT6576C Ver:V1.6
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 750V
	Output Current	0 ~ 105A
	Internal Sink Current <sup>1</sup>	0 ~ 10.5A



Parameter		IT6576C Ver:V1.6
	External Sink Current <sup>1</sup>	0 ~ 105A
	Output Power	0 ~ 21KW
	Internal Sink Power <sup>1</sup>	0 ~ 350W
	External Sink Power <sup>1</sup>	0 ~ 63KW
Output Resistance	Range	0 ~ 26.8Ω
	Accuracy <sup>2</sup>	0.25%+300mΩ
	Resolution	10mΩ
Line regulation	Voltage	≤0.01%+75mV
±(% of Output+Offset)	Current	≤0.1%+52.5mA
Load regulation	Voltage	≤0.01%+200mV
±(% of Output+Offset)	Current	≤0.05%+105mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+105mA
	Power	≤1%+210W
Read Back Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+105mA
	Power	≤1%+210W
Ripple (20Hz -20MHz)	Voltage	≤750mVp-p
	Current	≤210mArms
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.03 %+100mV
	Current	≤0.1%+210mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+210mA
Rise time( no load ) <sup>5</sup>	Voltage	≤50ms
Rise time( full load ) <sup>5</sup>	Voltage	≤80ms

Parameter		IT6576C Ver:V1.6
Fall time( no load ) <sup>5</sup>	Voltage	≤250ms
Fall time( full load ) <sup>5</sup>	Voltage	≤20ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤245ms
	90% ~ -90%	≤245ms
Transient Response Time	Voltage	≤3.5ms
AC Input <sup>7</sup>	Voltage	380V±10%(Three-phase five wire)
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+210mA
Setup stability-8h ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+210mA
Readback stability-30min ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+210mA
Readback stability-8h ( %of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+210mA
Efficiency	91.5%(200V/105A) ~ 93.5%(750V/28A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	57A	
Maximum input apparent power	26600VA	
Storage temperature	-10°C ~ 70°C	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)	750V	
Parallel Number	≤4	
Parallel Number of Power Dissipater	7/14/21	
Working temperature	0 ~ 40°C	

Parameter	IT6576C Ver:V1.6
Dimension ( mm)	600 mmW×1475 mmH×841.1mmD ( ITECH 27U Cabinet )
Weight( net)	230Kg

## 5.1.44 IT6586C

Parameter	IT6586C Ver:V1.6	
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 750V
	Output Current	0 ~ 120A
	Internal Sink Current <sup>1</sup>	0 ~ 12A
	External Sink Current <sup>1</sup>	0 ~ 120A
	Output Power	0 ~ 24KW
	Internal Sink Power <sup>1</sup>	0 ~ 400W
	External Sink Power <sup>1</sup>	0 ~ 72KW
Output Resistance	Range	0 ~ 23.4Ω
	Accuracy <sup>2</sup>	0.25%+300mΩ
	Resolution	10mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+75mV
	Current	≤0.1%+60mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+200mV
	Current	≤0.05%+120mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+120mA
	Power	≤1%+240W
Read Back Accuracy	Voltage	≤0.05%+300mV

Parameter		IT6586C Ver:V1.6
( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Current	≤0.2%+120mA
	Power	≤1%+240W
Ripple (20Hz -20MHz)	Voltage	≤750mVp-p
	Current	≤240mA <sub>rms</sub>
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.03 %+100mV
	Current	≤0.1%+240mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+240mA
Rise time( no load ) <sup>5</sup>	Voltage	≤50ms
Rise time( full load ) <sup>5</sup>	Voltage	≤80ms
Fall time( no load ) <sup>5</sup>	Voltage	≤250ms
Fall time( full load ) <sup>5</sup>	Voltage	≤20ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤280ms
	90% ~ -90%	≤280ms
Transient Response Time	Voltage	≤3.5ms
AC Input <sup>7</sup>	Voltage	380V±10%(Three-phase five wire)
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( % of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+240mA
Setup stability-8h ( % of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+240mA
Readback stability- 30min ( % of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+240mA
Readback stability-8h ( % of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+240mA
Efficiency	91.5%(200V/120A) ~ 93.5%(750V/32A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	57A	

Parameter		IT6586C Ver:V1.6
Maximum input apparent power		30400VA
Storage temperature		-10°C ~ 70°C
Protective function		Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense
standard Interface		USB/RS232/CAN/GPIB/LAN
Isolation ( output to ground)		750V
Parallel Number		≤4
Parallel Number of Power Dissipater		8/16/24
Working temperature		0 ~ 40°C
Dimension ( mm)		600 mmW×1475 mmH×841.1mmD ( ITECH 27U Cabinet )
Weight( net)		248Kg

## 5.1.45 IT6596C

Parameter		IT6596C Ver:V1.6
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 750V
	Output Current	0 ~ 150A
	Internal Sink Current <sup>1</sup>	0 ~ 15A
	External Sink Current <sup>1</sup>	0 ~ 150A
	Output Power	0 ~ 30KW
	Internal Sink Power <sup>1</sup>	0 ~ 500W
	External Sink Power <sup>1</sup>	0 ~ 90KW
Output Resistance	Range	0 ~ 18.75Ω
	Accuracy <sup>2</sup>	0.25%+300mΩ
	Resolution	10mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+75mV
	Current	≤0.1%+75mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+200mV
	Current	≤0.05%+150mA

Parameter		IT6596C Ver:V1.6
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+150mA
	Power	≤1%+300W
Read Back Accuracy ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+300mV
	Current	≤0.2%+150mA
	Power	≤1%+300W
Ripple (20Hz -20MHz)	Voltage	≤750mVp-p
	Current	≤300mArms
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.03 % +100mV
	Current	≤0.1%+300mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.03%+100mV
	Current	≤0.1%+300mA
Rise time( no load ) <sup>5</sup>	Voltage	≤50ms
Rise time( full load ) <sup>5</sup>	Voltage	≤80ms
Fall time( no load ) <sup>5</sup>	Voltage	≤250ms
Fall time( full load ) <sup>5</sup>	Voltage	≤20ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤350ms
	90% ~ -90%	≤350ms
Transient Response Time	Voltage	≤3.5ms
AC Input <sup>7</sup>	Voltage	380V±10%(Three-phase five wire)
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( % of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+300mA
Setup stability-8h ( % of Output +Offset )	Voltage	≤0.03%+100mV
	Current	≤0.1%+300mA
Readback stability-30min ( % of Output +Offset )	Voltage	≤0.03%+100mV

Parameter		IT6596C Ver:V1.6
	Current	$\leq 0.1\% + 300\text{mA}$
Readback stability-8h ( %of Output +Offset )	Voltage	$\leq 0.03\% + 100\text{mV}$
	Current	$\leq 0.1\% + 300\text{mA}$
Efficiency	91.5%(200V/150A) ~ 93.5%(750V/40A)	
Remote Sense Compensation Voltage	5V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	76A	
Maximum input apparent power	38000VA	
Storage temperature	-10°C ~ 70°C	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)	750V	
Parallel Number	$\leq 3$	
Parallel Number of Power Dissipater	10/20/30	
Working temperature	0 ~ 40°C	
Dimension ( mm)	600 mmW×1475 mmH×841.1mmD ( ITECH 27U Cabinet )	
Weight( net)	284Kg	

## 5.1.46 IT6517C

Parameter		IT6517C Ver:V1.6
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 1000V
	Output Current	0 ~ 10A
	Internal Sink Current <sup>1</sup>	0 ~ 1.5A
	External Sink Current <sup>1</sup>	0 ~ 10A
	Output Power	0 ~ 1800W
	Internal Sink Power <sup>1</sup>	0 ~ 50W

Parameter		IT6517C Ver:V1.6
	External Sink Power <sup>1</sup>	0 ~ 5.4KW
Output Resistance	Range	0 ~ 555.555Ω
	Accuracy <sup>2</sup>	0.25% + 375mΩ*A
	Resolution	10mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.01%+5mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+375mV
	Current	≤0.05%+10mA
Setup Resolution	Voltage	100mV
	Current	1mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	1mA
	Power	0.1W
Setup Accuracy <sup>3</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+10mA
	Power	1%+30W
Read Back Accuracy <sup>4</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+10mA
	Power	1%+30W
Ripple (20Hz -20MHz)	Voltage	≤1.5Vp-p
	Current	≤0.05%+10mArms
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+10mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+10mA
Rise time( no load ) <sup>5</sup>	Voltage	≤70ms
Rise time( full load ) <sup>5</sup>	Voltage	≤100ms
Fall time( no load ) <sup>5</sup>	Voltage	≤350ms
Fall time( full load ) <sup>5</sup>	Voltage	≤60ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤25ms
	90% ~ -90%	≤25ms



Parameter		IT6517C Ver:V1.6
Transient Response Time	Voltage	≤3ms
AC Input <sup>7</sup>	Voltage	220V±10%
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( %of Output +Offset )	Voltage	≤0.05%+375mV
	Current	≤0.1%+10mA
Setup stability-8h ( %of Output +Offset )	Voltage	≤0.05%+375mV
	Current	≤0.1%+10mA
Readback stability-30min ( %of Output +Offset )	Voltage	≤0.05%+375mV
	Current	≤0.1%+10mA
Readback stability-8h ( %of Output +Offset )	Voltage	≤0.05%+375mV
	Current	≤0.1%+10mA
Efficiency		80%
Remote Sense Compensation Voltage		3V
Command Response Time		20mS
Power Factor		0.99
Maximum input current <sup>8</sup>		12A
Maximum input apparent power		2300VA
Storage temperature		-10°C ~ 70°C
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)		1000V
Parallel Number		≤8
Parallel Number of Power Dissipater		1/2/3
Working temperature		0 ~ 40°C
Dimension ( mm)	483mmW×105.4mmH×640.8mmD	
Weight( net)	17Kg	

**5.1.47 IT6527C**

Parameter		IT6527C Ver:V1.6
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 1000V
	Output Current	0 ~ 10A
	Internal Sink Current <sup>1</sup>	0 ~ 1.5A
	External Sink Current <sup>1</sup>	0 ~ 10A
	Output Power	0 ~ 3000W
	Internal Sink Power <sup>1</sup>	0 ~ 50W
	External Sink Power <sup>1</sup>	0 ~ 9000W
Output Resistance	Range	0 ~ 333.333Ω
	Accuracy <sup>2</sup>	0.25%+375mΩ*A
	Resolution	10mΩ
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.01%+5mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+375mV
	Current	≤0.05%+10mA
Setup Resolution	Voltage	100mV
	Current	1mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	1mA
	Power	0.1W
Setup Accuracy <sup>3</sup> ( within 12 months,25°C±5°C) ±(%of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+10mA
	Power	1%+30W
Read Back Accuracy <sup>4</sup> ( within 12 months,25°C±5°C) ±(%of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+10mA
	Power	1%+30W
Ripple (20Hz -20MHz)	Voltage	≤1.5Vp-p
	Current	≤0.05%+10mArms
Setup Temperature Coefficient	Voltage	≤0.01%+375mV

(%of Output/°C+Offset)	Current	$\leq 0.02\% + 10\text{mA}$
Read Back Temperature Coefficient (%of Output/°C+Offset)	Voltage	$\leq 0.01\% + 375\text{mV}$
	Current	$\leq 0.02\% + 10\text{mA}$
Rise time( no load ) <sup>5</sup>	Voltage	$\leq 70\text{ms}$
Rise time( full load ) <sup>5</sup>	Voltage	$\leq 100\text{ms}$
Fall time( no load ) <sup>5</sup>	Voltage	$\leq 350\text{ms}$
Fall time( full load ) <sup>5</sup>	Voltage	$\leq 30\text{ms}$
Current seamless switching <sup>6</sup>	-90% ~ 90%	$\leq 25\text{ms}$
	90% ~ -90%	$\leq 25\text{ms}$
Transient Response Time	Voltage	$\leq 3\text{ms}$
AC Input <sup>7</sup>	Voltage	$220\text{V} \pm 10\%$
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( %of Output +Offset )	Voltage	$\leq 0.05\% + 375\text{mV}$
	Current	$\leq 0.1\% + 10\text{mA}$
Setup stability-8h ( %of Output +Offset )	Voltage	$\leq 0.05\% + 375\text{mV}$
	Current	$\leq 0.1\% + 10\text{mA}$
Readback stability- 30min ( %of Output +Offset )	Voltage	$\leq 0.05\% + 375\text{mV}$
	Current	$\leq 0.1\% + 10\text{mA}$
Readback stability-8h ( %of Output +Offset )	Voltage	$\leq 0.05\% + 375\text{mV}$
	Current	$\leq 0.1\% + 10\text{mA}$
Efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	19A	
Maximum input apparent power	3800VA	
Storage temperature	$-10^{\circ}\text{C} \sim 70^{\circ}\text{C}$	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)	1000V	

Parallel Number	≤8
Parallel Number of Power Dissipater	1/2/3
Working temperature	0 ~ 40°C
Dimension ( mm)	483mmW×105.4mmH×640.8mmD
Weight( net)	17Kg

### 5.1.48 IT6537C

Parameter		IT6537C Ver:V1.4
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 1000V
	Output Current	0 ~ 20A
	Internal Sink Current <sup>1</sup>	0 ~ 3A
	External Sink Current <sup>1</sup>	0 ~ 20A
	Output Power	0 ~ 6KW
	Internal Sink Power <sup>1</sup>	0 ~ 100W
	External Sink Power <sup>1</sup>	0 ~ 18KW
Output Resistance	Range	0 ~ 166.666Ω
	Accuracy <sup>2</sup>	0.25%+375mΩ*A
	Resolution	10mΩ
Line regulation	Voltage	≤0.01%+100mV
±(%of Output+Offset)	Current	≤0.01%+10mA
Load regulation	Voltage	≤0.01%+375mV
±(%of Output+Offset)	Current	≤0.05%+20mA
Setup Resolution	Voltage	100mV
	Current	1mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	1mA
	Power	0.1W
Setup Accuracy <sup>3</sup>	Voltage	≤0.05%+375mV

Parameter		IT6537C Ver:V1.4
( within 12 months,25°C ±5°C)	Current	≤0.2%+20mA
±(% of Output+Offset)	Power	1%+60W
Read Back Accuracy <sup>4</sup>	Voltage	≤0.05%+375mV
( within 12 months,25°C ±5°C)	Current	≤0.2%+20mA
±(% of Output+Offset)	Power	1%+60W
Ripple	Voltage	≤1.5Vp-p
(20Hz -20MHz)	Current	≤0.05%+20mArms
Setup Temperature Coefficient	Voltage	≤0.01%+375mV
(% of Output/°C+Offset)	Current	≤0.02%+20mA
Read Back Temperature Coefficient	Voltage	≤0.01%+375mV
(% of Output/°C+Offset)	Current	≤0.02%+20mA
Rise time( no load ) <sup>5</sup>	Voltage	≤70ms
Rise time( full load ) <sup>5</sup>	Voltage	≤100ms
Fall time( no load ) <sup>5</sup>	Voltage	≤350ms
Fall time( full load ) <sup>5</sup>	Voltage	≤30ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤50ms
	90% ~ -90%	≤50ms
Transient Response Time	Voltage	≤3ms
AC Input <sup>7</sup>	Voltage	220V±10%
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( % of Output +Offset )	Voltage	≤0.05%+375mV
	Current	≤0.1%+20mA
Setup stability-8h ( % of Output +Offset )	Voltage	≤0.05%+375mV
	Current	≤0.1%+20mA
Readback stability-30min ( % of Output +Offset )	Voltage	≤0.05%+375mV
	Current	≤0.1%+20mA
Readback stability-8h ( % of Output +Offset )	Voltage	≤0.05%+375mV
	Current	≤0.1%+20mA
Efficiency	80%	

Parameter	IT6537C Ver:V1.4
Remote Sense Compensation Voltage	3V
Command Response Time	20mS
Power Factor	0.99
Maximum input current <sup>8</sup>	38A
Maximum input apparent power	7600VA
Storage temperature	-10°C ~ 70°C
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense
standard Interface	USB/RS232/CAN/GPIB/LAN
Isolation ( output to ground)	1000V
Parallel Number	≤8
Parallel Number of Power Dissipater	2/4/6
Working temperature	0 ~ 40°C
Dimension ( mm)	483mmW×194mmH×640.8mmD
Weight( net)	35Kg

### 5.1.49 IT6547C

Parameter	IT6547C Ver:V1.6	
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 1000V
	Output Current	0 ~ 30A
	Internal Sink Current <sup>1</sup>	0 ~ 4.5A
	External Sink Current <sup>1</sup>	0 ~ 30A
	Output Power	0 ~ 9KW
	Internal Sink Power <sup>1</sup>	0 ~ 150W
	External Sink Power <sup>1</sup>	0 ~ 27KW
Output Resistance	Range	0 ~ 111.111Ω
	Accuracy <sup>2</sup>	0.25% + 375mΩ*A

Parameter		IT6547C Ver:V1.6
	Resolution	10mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.01%+15mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+375mV
	Current	≤0.05%+30mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy <sup>3</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+30mA
	Power	1%+90W
Read Back Accuracy <sup>4</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+30mA
	Power	1%+90W
Ripple (20Hz -20MHz)	Voltage	≤1.5Vp-p
	Current	≤0.05%+30mA <sub>rms</sub>
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+30mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+30mA
Rise time( no load ) <sup>5</sup>	Voltage	≤70ms
Rise time( full load ) <sup>5</sup>	Voltage	≤100ms
Fall time( no load ) <sup>5</sup>	Voltage	≤350ms
Fall time( full load ) <sup>5</sup>	Voltage	≤30ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤75ms
	90% ~ -90%	≤75ms
Transient Response Time	Voltage	≤3ms
AC Input <sup>7</sup>	Voltage	220V±10%
	Frequency	47Hz ~ 63Hz

Parameter		IT6547C Ver:V1.6
Setup stability-30min ( %of Output +Offset )	Voltage	$\leq 0.05\% + 375\text{mV}$
	Current	$\leq 0.1\% + 30\text{mA}$
Setup stability-8h ( %of Output +Offset )	Voltage	$\leq 0.05\% + 375\text{mV}$
	Current	$\leq 0.1\% + 30\text{mA}$
Readback stability-30min ( %of Output +Offset )	Voltage	$\leq 0.05\% + 375\text{mV}$
	Current	$\leq 0.1\% + 30\text{mA}$
Readback stability-8h ( %of Output +Offset )	Voltage	$\leq 0.05\% + 375\text{mV}$
	Current	$\leq 0.1\% + 30\text{mA}$
Efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	19A	
Maximum input apparent power	11400VA	
Storage temperature	$-10^{\circ}\text{C} \sim 70^{\circ}\text{C}$	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)	1000V	
Parallel Number	$\leq 8$	
Parallel Number of Power Dissipater	3/6/9	
Working temperature	$0 \sim 40^{\circ}\text{C}$	
Dimension ( mm)	483mmW×283.2mmH×640.8mmD	
Weight( net)	53Kg	

### 5.1.50 IT6557C

Parameter		IT6557C Ver:V1.6
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 1000V
	Output Current	0 ~ 40A



Parameter		IT6557C Ver:V1.6
	Internal Sink Current <sup>1</sup>	0 ~ 6A
	External Sink Current <sup>1</sup>	0 ~ 40A
	Output Power	0 ~ 12KW
	Internal Sink Power <sup>1</sup>	0 ~ 200W
	External Sink Power <sup>1</sup>	0 ~ 36KW
Output Resistance	Range	0 ~ 83.333Ω
	Accuracy <sup>2</sup>	0.25%+375mΩ*A
	Resolution	10mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.01%+20mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+375mV
	Current	≤0.05%+40mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy <sup>3</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+40mA
	Power	1%+120W
Read Back Accuracy <sup>4</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+40mA
	Power	1%+120W
Ripple (20Hz -20MHz)	Voltage	≤1.5Vp-p
	Current	≤0.05%+40mArms
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+40mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+40mA

Parameter		IT6557C Ver:V1.6
Rise time( no load ) <sup>5</sup>	Voltage	≤70ms
Rise time( full load ) <sup>5</sup>	Voltage	≤100ms
Fall time( no load ) <sup>5</sup>	Voltage	≤350ms
Fall time( full load ) <sup>5</sup>	Voltage	≤30ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤100ms
	90% ~ -90%	≤100ms
Transient Response Time	Voltage	≤3ms
AC Input <sup>7</sup>	Voltage	380Vac±10%(Three-phase five wire)
	Frequency	47Hz-63Hz
Setup stability-30min ( %of Output +Offset )	Voltage	≤0.05%+375mV
	Current	≤0.1%+40mA
Setup stability-8h ( %of Output +Offset )	Voltage	≤0.05%+375mV
	Current	≤0.1%+40mA
Readback stability-30min ( %of Output +Offset )	Voltage	≤0.05%+375mV
	Current	≤0.1%+40mA
Readback stability-8h ( %of Output +Offset )	Voltage	≤0.05%+375mV
	Current	≤0.1%+40mA
Efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	38A	
Maximum input apparent power	15200VA	
Storage temperature	-10°C ~ 70°C	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)	1000V	
Parallel Number	≤8	
Parallel Number of Power Dissipater	4/8/12	
Working temperature	0 ~ 40°C	

Parameter	IT6557C Ver:V1.6
Dimension ( mm)	554mmW×902mmH×807.5mmD ( ITECH 15U Cabinet )
Weight( net)	119Kg

### 5.1.51 IT6567C

Parameter	IT6567C Ver:V1.6	
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 1000V
	Output Current	0 ~ 50A
	Internal Sink Current <sup>1</sup>	0 ~ 7.5A
	External Sink Current <sup>1</sup>	0 ~ 50A
	Output Power	0 ~ 15KW
	Internal Sink Power <sup>1</sup>	0 ~ 250W
	External Sink Power <sup>1</sup>	0 ~ 45KW
Output Resistance	Range	0 ~ 66.666Ω
	Accuracy <sup>2</sup>	0.25%+375mΩ*A
	Resolution	10mΩ
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.01%+25mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+375mV
	Current	≤0.05%+50mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy <sup>3</sup> ( within 12 months,25°C ±5°C) ±(%of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+50mA
	Power	1%+150W
Read Back Accuracy <sup>4</sup>	Voltage	≤0.05%+375mV

Parameter		IT6567C Ver:V1.6
( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Current	≤0.2%+50mA
	Power	1%+150W
Ripple (20Hz -20MHz)	Voltage	≤1.5Vp-p
	Current	≤0.05%+50mA <sub>rms</sub>
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+50mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+50mA
Rise time( no load ) <sup>5</sup>	Voltage	≤70ms
Rise time( full load ) <sup>5</sup>	Voltage	≤100ms
Fall time( no load ) <sup>5</sup>	Voltage	≤350ms
Fall time( full load ) <sup>5</sup>	Voltage	≤30ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤125ms
	90% ~ -90%	≤125ms
Transient Response Time	Voltage	≤3ms
AC Input <sup>7</sup>	Voltage	380Vac±10%(Three-phase five wire)
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( % of Output +Offset )	Voltage	≤0.05%+375mV
	Current	≤0.1%+50mA
Setup stability-8h ( % of Output +Offset )	Voltage	≤0.05%+375mV
	Current	≤0.1%+50mA
Readback stability-30min ( % of Output +Offset )	Voltage	≤0.05%+375mV
	Current	≤0.1%+50mA
Readback stability-8h ( % of Output +Offset )	Voltage	≤0.05%+375mV
	Current	≤0.1%+50mA
Efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	38A	

Parameter	IT6567C Ver:V1.6
Maximum input apparent power	19000VA
Storage temperature	-10°C ~ 70°C
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense
standard Interface	USB/RS232/CAN/GPIB/LAN
Isolation ( output to ground)	1000V
Parallel Number	≤6
Parallel Number of Power Dissipater	5/10/15
Working temperature	0 ~ 40°C
Dimension ( mm)	554mmW×902mmH×807.5mmD ( ITECH 15U Cabinet )
Weight( net)	137Kg

### 5.1.52 IT6577C

Parameter	IT6577C Ver:V1.6	
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 1000V
	Output Current	0 ~ 70A
	Internal Sink Current <sup>1</sup>	0 ~ 10.5A
	External Sink Current <sup>1</sup>	0 ~ 70A
	Output Power	0 ~ 21KW
	Internal Sink Power <sup>1</sup>	0 ~ 350W
	External Sink Power <sup>1</sup>	0 ~ 63KW
Output Resistance	Range	0 ~ 47.622Ω
	Accuracy <sup>2</sup>	0.25% + 375mΩ*A
	Resolution	10mΩ
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.01%+35mA
Load regulation ±(%of Output+Offset)	Voltage	≤0.01%+375mV
	Current	≤0.05%+70mA

Parameter		IT6577C Ver:V1.6
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy <sup>3</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+70mA
	Power	1%+210W
Read Back Accuracy <sup>4</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+70mA
	Power	1%+210W
Ripple (20Hz -20MHz)	Voltage	≤1.5Vp-p
	Current	≤0.05%+70mArms
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+70mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+70mA
Rise time( no load ) <sup>5</sup>	Voltage	≤70ms
Rise time( full load ) <sup>5</sup>	Voltage	≤100ms
Fall time( no load ) <sup>5</sup>	Voltage	≤350ms
Fall time( full load ) <sup>5</sup>	Voltage	≤30ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤175ms
	90% ~ -90%	≤175ms
Transient Response Time	Voltage	≤3ms
AC Input <sup>7</sup>	Voltage	380Vac±10%(Three-phase five wire)
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( % of Output +Offset )	Voltage	≤0.05%+375mV
	Current	≤0.1%+70mA
Setup stability-8h ( % of Output +Offset )	Voltage	≤0.05%+375mV
	Current	≤0.1%+70mA
Readback stability-30min ( % of Output +Offset )	Voltage	≤0.05%+375mV

Parameter		IT6577C Ver:V1.6
	Current	$\leq 0.1\% + 70\text{mA}$
Readback stability-8h ( % of Output +Offset )	Voltage	$\leq 0.05\% + 375\text{mV}$
	Current	$\leq 0.1\% + 70\text{mA}$
Efficiency		80%
Remote Sense Compensation Voltage		3V
Command Response Time		20mS
Power Factor		0.99
Maximum input current <sup>8</sup>		57A
Maximum input apparent power		26600VA
Storage temperature		-10°C ~ 70°C
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)		1000V
Parallel Number		$\leq 4$
Parallel Number of Power Dissipater		7/14/21
Working temperature		0 ~ 40°C
Dimension ( mm)	600 mmW×1475 mmH×841.1mmD ( ITECH 27U Cabinet )	
Weight( net)	230Kg	

### 5.1.53 IT6587C

Parameter		IT6587C Ver:V1.6
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 1000V
	Output Current	0 ~ 80A
	Internal Sink Current <sup>1</sup>	0 ~ 12A
	External Sink Current <sup>1</sup>	0 ~ 80A
	Output Power	0 ~ 24KW
	Internal Sink Power <sup>1</sup>	0 ~ 400W

Parameter		IT6587C Ver:V1.6
	External Sink Power <sup>1</sup>	0 ~ 72KW
Output Resistance	Range	0 ~ 41.666Ω
	Accuracy <sup>2</sup>	0.25%+375mΩ*A
	Resolution	10mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.01%+40mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+375mV
	Current	≤0.05%+80mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy <sup>3</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+80mA
	Power	1%+240W
Read Back Accuracy <sup>4</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+80mA
	Power	1%+240W
Ripple (20Hz -20MHz)	Voltage	≤1.5Vp-p
	Current	≤0.05%+80mArms
Setup Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+80mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+80mA
Rise time( no load ) <sup>5</sup>	Voltage	≤70ms
Rise time( full load ) <sup>5</sup>	Voltage	≤100ms
Fall time( no load ) <sup>5</sup>	Voltage	≤350ms
Fall time( full load ) <sup>5</sup>	Voltage	≤30ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤200ms
	90% ~ -90%	≤200ms



Parameter		IT6587C Ver:V1.6
Transient Response Time	Voltage	≤3ms
AC Input <sup>7</sup>	Voltage	380Vac±10%(Three-phase five wire)
	Frequency	47Hz-63Hz
Setup stability-30min ( %of Output +Offset )	Voltage	≤0.05%+375mV
	Current	≤0.1%+80mA
Setup stability-8h ( %of Output +Offset )	Voltage	≤0.05%+375mV
	Current	≤0.1%+80mA
Readback stability-30min ( %of Output +Offset )	Voltage	≤0.05%+375mV
	Current	≤0.1%+80mA
Readback stability-8h ( %of Output +Offset )	Voltage	≤0.05%+375mV
	Current	≤0.1%+80mA
Efficiency		80%
Remote Sense Compensation Voltage		3V
Command Response Time		20mS
Power Factor		0.99
Maximum input current <sup>8</sup>		57A
Maximum input apparent power		30400VA
Storage temperature		-10°C ~ 70°C
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	
Isolation ( output to ground)		1000V
Parallel Number		≤4
Parallel Number of Power Dissipater		8/16/24
Working temperature		0 ~ 40°C
Dimension ( mm)	600 mmW×1475 mmH×841.1mmD ( ITECH 27U Cabinet )	
Weight( net)		248Kg

## 5.1.54 IT6597C

Parameter		IT6597C Ver:V1.6
Output Rating ( 0 °C-40 °C)	Output Voltage	0 ~ 1000V
	Output Current	0 ~ 100A
	Internal Sink Current <sup>1</sup>	0 ~ 15A
	External Sink Current <sup>1</sup>	0 ~ 100A
	Output Power	0 ~ 30KW
	Internal Sink Power <sup>1</sup>	0 ~ 500W
	External Sink Power <sup>1</sup>	0 ~ 90KW
Output Resistance	Range	0 ~ 33.333Ω
	Accuracy <sup>2</sup>	0.25%+375mΩ*A
	Resolution	10mΩ
Line regulation ±(% of Output+Offset)	Voltage	≤0.01%+100mV
	Current	≤0.01%+50mA
Load regulation ±(% of Output+Offset)	Voltage	≤0.01%+375mV
	Current	≤0.05%+100mA
Setup Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Read Back Resolution	Voltage	100mV
	Current	10mA
	Power	0.1W
Setup Accuracy <sup>3</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+100mA
	Power	1%+300W
Read Back Accuracy <sup>4</sup> ( within 12 months,25°C ±5°C) ±(% of Output+Offset)	Voltage	≤0.05%+375mV
	Current	≤0.2%+100mA
	Power	1%+300W
Ripple (20Hz -20MHz)	Voltage	≤1.5Vp-p
	Current	≤0.05%+100mArms
Setup Temperature Coefficient	Voltage	≤0.01%+375mV

Parameter		IT6597C Ver:V1.6
(% of Output/°C+Offset)	Current	≤0.02%+100mA
Read Back Temperature Coefficient (% of Output/°C+Offset)	Voltage	≤0.01%+375mV
	Current	≤0.02%+100mA
Rise time( no load ) <sup>5</sup>	Voltage	≤70ms
Rise time( full load ) <sup>5</sup>	Voltage	≤100ms
Fall time( no load ) <sup>5</sup>	Voltage	≤350ms
Fall time( full load ) <sup>5</sup>	Voltage	≤30ms
Current seamless switching <sup>6</sup>	-90% ~ 90%	≤250ms
	90% ~ -90%	≤250ms
Transient Response Time	Voltage	≤3ms
AC Input <sup>7</sup>	Voltage	380Vac±10%(Three-phase five wire)
	Frequency	47Hz ~ 63Hz
Setup stability-30min ( % of Output +Offset )	Voltage	≤0.05%+375mV
	Current	≤0.1%+100mA
Setup stability-8h ( % of Output +Offset )	Voltage	≤0.05%+375mV
	Current	≤0.1%+100mA
Readback stability-30min ( % of Output +Offset )	Voltage	≤0.05%+375mV
	Current	≤0.1%+100mA
Readback stability-8h ( % of Output +Offset )	Voltage	≤0.05%+375mV
	Current	≤0.1%+100mA
Efficiency	80%	
Remote Sense Compensation Voltage	3V	
Command Response Time	20mS	
Power Factor	0.99	
Maximum input current <sup>8</sup>	76A	
Maximum input apparent power	38000VA	
Storage temperature	-10°C ~ 70°C	
Protective function	Source OVP, OCP, OPP and Load OCP, OPP, OTP, Vsense	
standard Interface	USB/RS232/CAN/GPIB/LAN	

Parameter	IT6597C Ver:V1.6
Isolation ( output to ground)	1000V
Parallel Number	≤3
Parallel Number of Power Dissipater	10/20/30
Working temperature	0 ~ 40°C
Dimension ( mm)	600 mmW×1475 mmH×841.1mmD ( ITECH 27U Cabinet )
Weight( net)	284Kg

The above specifications may be subject to change without prior notice.

1. Internal absorption current and internal absorption power mean the absorption current and power of the standard power dissipater inside the power supply; and external absorption current and external absorption power mean the absorption current and power of the optional power dissipater outside the power supply.

2. Resistance programming accuracy differs based on different output current. For example, 10A Transient 1.0Ω, accuracy:  $(1.0\Omega * 0.25\%) + (375m\Omega * A / 10A) = 40m\Omega$ . 1.0Ω, accuracy:  $(1.0\Omega * 0.25\%) + (375m\Omega * A / 10A) = 40m\Omega$ .

3. Set value accuracy means the set accuracy realized through the panel button or communication instructions. When external analog is used for programming, the programming accuracy is 2%FS.

4. Read-back value accuracy means the read-back accuracy realized through panel display or communication instructions; when external analog is used for monitoring, the monitoring accuracy is 1%FS.

5. Up time and down time mean the time of establishment from one value to another value under ON status when the internal standard power dissipater is enabled.

6. Use 12V/120AH battery for test.

7. When used in parallel, to balance power of each phase, distribute the instrument to three phases. But must ensure that single machine input voltage meets Specification requirements.

8. It means the maximum phase current value under minimum work input voltage.