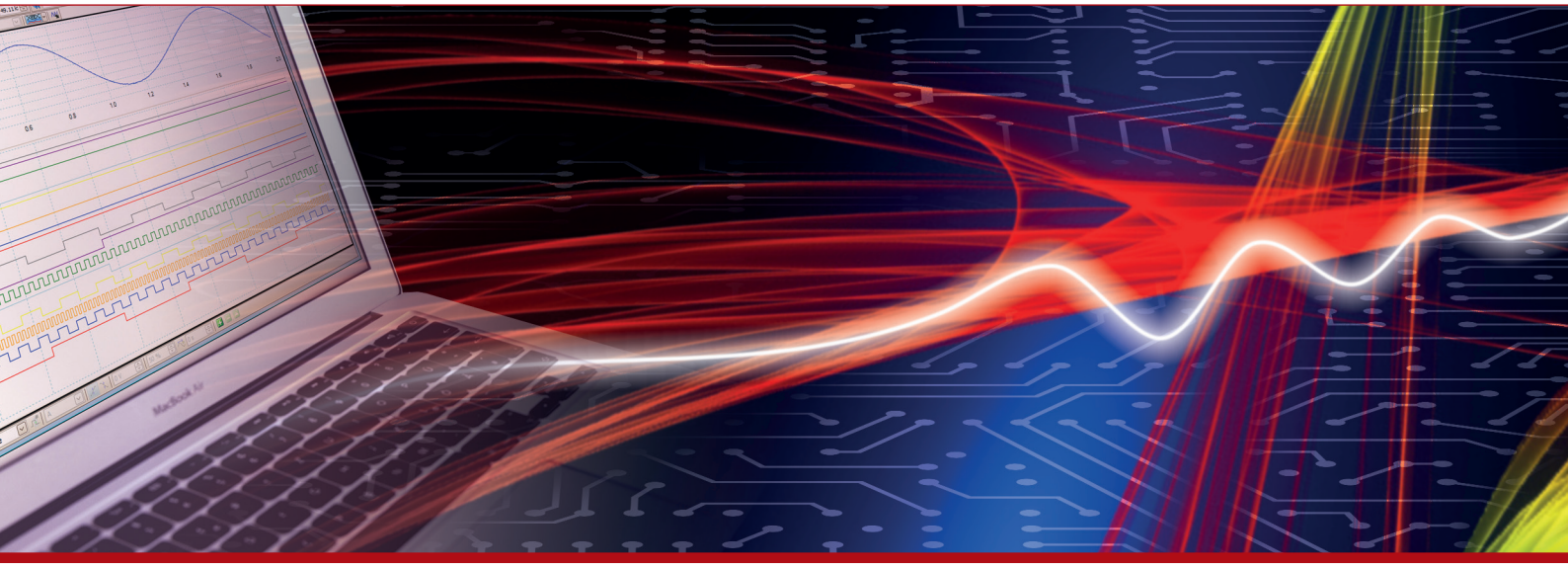
Product Datasheet - Technical Specifications



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7.1.1 IT6005B-80-150

Source Mode

Parameter		IT6005B-80-150
Source Parameter		
Rated value (0 ℃-50 ℃)	Output Voltage	0 ~ 80V
	Output Current	-150 ~ 150A
	Output Power	-5000 ~ 5000W
	Output Resistance	0-1Ω
Line Regulation ±(%of Output+Offset)	Voltage	≤0.01%FS
	Current	≤0.05%FS
Load Regulation ±(%of Output+Offset)	Voltage	≤0.02%FS
	Current	≤0.05%FS
Setup Resolution	Voltage	0.001V
	Current	0.01A
	Power	0.001kW
	Resistance	0.001Ω
Read Back Resolution	Voltage	0.001V
	Current	0.01A
	Power	0.001kW
	Resistance	0.001Ω
Setup Accuracy (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.02%+0.02%FS
	Current	≤0.1%+0.1%FS
	Power	≤0.5%+0.5%FS
	Resistance	≤1% + 1%FS
Read Back Accuracy (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.02%+0.02%FS
	Current	≤0.1%+0.1%FS
	Power	≤0.5%+0.5%FS
	Resistance	≤1% + 1%FS
Ripple (20Hz -20MHz)	Voltage	≤120mVpp(MAX:≤200mVpp)
	Current	≤0.1%FS RMS
Setup Temperature Coefficient (%of Output/℃+Offset)	Voltage	≤50PPM/℃
	Current	≤200PPM/℃
Read Back Temperature Coefficient	Voltage	≤50PPM/℃

(%of Output/℃+Offset)	Current	≤200PPM/℃
Rise time(no load)	Voltage	≤15ms
Rise time(full load)	Voltage	≤30ms
Fall time (no load)	Voltage	≤30ms
Fall time (full load)	Voltage	≤15ms
Transient Response Time	Voltage	≤2ms
AC Input	Voltage	198V ~ 264V (Derating 50%) 342V ~ 528V (Three-phase four-wire)
	Maximum input current	L1,L2/17A;L3/0A
	Maximum input apparent power	5.7kVA
	Frequency	47Hz ~ 63Hz
Setup stability-30min	Voltage	≤0.02%+0.02%FS
(%of Output +Offset)	Current	≤0.1%+0.1%FS
Setup stability-8h	Voltage	≤0.02%+0.02%FS
(%of Output +Offset)	Current	≤0.1%+0.1%FS
Readback stability-30min	Voltage	≤0.02%+0.02%FS
(%of Output +Offset)	Current	≤0.1%+0.1%FS
Readback stability-8h	Voltage	≤0.02%+0.02%FS
(%of Output +Offset)	Current	≤0.1%+0.1%FS
Efficiency	~ 90%	
Remote Sense Compensation	2V	
Command Response Time	2mS	
Power Factor	0.99	
Storage temperature	-10℃–70℃	
Protective function	OVP, OCP, OPP, OTP and Vsense reversed protection	

Load Mode:

Rated value (0 ℃-50 ℃)	Input Voltage	0 ~ 80V
	Input Current	0 ~ 150A
	Input Power	0 ~ 5000W

	Input Resistance	0.001 ~ 1067Ω
	Min. operating voltage	0.45V at 150A
Setup Resolution	Voltage	0.001V
	Current	0.01A
	Power	0.001kW
	Resistance	0.001Ω
Read Back Resolution	Voltage	0.001V
	Current	0.01A
	Power	0.001kW
	Resistance	0.001Ω
Setup Accuracy (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
	Power	≤0.5% + 0.5%FS
	Resistance	≤2%Rmax,0 ~ 10% Rmax;≤5%Rmax,10% ~ Rmax
Read Back Accuracy (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
	Power	≤0.5% + 0.5%FS
	Resistance	≤2%Rmax,0 ~ 10% Rmax;≤5%Rmax,10% ~ Rmax
Setup Temperature Coefficient (%of Output/℃+Offset)	Voltage	≤50PPM/℃
	Current	≤200PPM/℃
Read Back Temperature Coefficient (%of Output/℃+Offset)	Voltage	≤50PPM/℃
	Current	≤200PPM/℃
Dynamic mode	Rising slope	150A/ms
	Falling slope	150A/ms
	Dynamic Frequency	500Hz
	Min. rise time	≤1ms
Output parameter	Output voltage range	198V ~ 264V (Derating 50%) 342V ~ 528V (Three-phase four-wire)
	Output frequency range	47Hz ~ 63Hz
	Maximum output current (rms)	L1,L2/17A;L3/0A

	Power factor	≥0.99
	Islanding protection	Active islanding protection
Setup stability-30min (%of Output +Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
Setup stability-8h (%of Output +Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
Readback stability-30min (%of Output +Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
Readback stability-8h (%of Output +Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
Input impedance quies-cent current	<10mA at Vmax	
Efficiency	~ 90%	
Remote Sense Compensation	≤2V	
Command Response Time	2Ms	
Storage temperature	-10℃–70℃	
Protective function	OVP, OCP, OPP, OTP and Vsense reversed protection	
Communication interfaces	Standard: USB, CAN, LAN; optional: GPIB, analog card (include RS232), fiber optic socket	
Isolation (input to ground)	500V	
Working Temperature	0- 50℃	
Dimension (mm)	483mm(W)*801.61mm(D)*151.3mm(H)	
Weight (net)	20KG	

7.1.2 IT6010B-80-300

Source Mode

Parameter		IT6010B-80-300
Source Parameter		
Rated value (0 ℃-50 ℃)	Output Voltage	0 ~ 80V
	Output Current	-300 ~ 300A

	Output Power	-10000 ~ 10000W
	Output Resistance	0-1Ω
Line regulation ±(%of Output+Offset)	Voltage	≤0.01%FS
	Current	≤0.05%FS
Load regulation ±(%of Output+Offset)	Voltage	≤0.02%FS
	Current	≤0.05%FS
Setup Resolution	Voltage	0.001V
	Current	0.01A
	Power	0.001kW
	Resistance	0.001Ω
Read Back Resolution	Voltage	0.001V
	Current	0.01A
	Power	0.001kW
	Resistance	0.001Ω
Setup Accuracy (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.02%+0.02%FS
	Current	≤0.1% + 0.1%FS
	Power	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS
Read Back Accuracy (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.02%+0.02%FS
	Current	≤0.1% + 0.1%FS
	Power	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS
Ripple (20Hz -20MHz)	Voltage	≤120mVpp(MAX:≤200mVpp)
	Current	≤0.1%FS RMS
Setup Temperature Coef-ficient (%of Output/℃ +Offset)	Voltage	≤50PPM/℃
	Current	≤200PPM/℃
Read back Temperature Coefficient (%of Output/ ℃+Offset)	Voltage	≤50PPM/℃
	Current	≤200PPM/℃
Rise time(no load)	Voltage	≤15ms
Rise time(full load)	Voltage	≤30ms
Fall time (no load)	Voltage	≤30ms
Fall time (full load)	Voltage	≤15ms
Transient Response Time	Voltage	≤2ms

AC Input	Voltage	198V ~ 264V (Derating 50%) 342V ~ 528V (Three-phase four-wire)
	Maximum input current	L1,L2/17A;L3/29A
	Maximum input apparent power	11.3kVA
	Frequency	47Hz ~ 63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.02%+0.02%FS
	Current	≤0.1% + 0.1%FS
Setup stability-8h (%of Output +Offset)	Voltage	≤0.02%+0.02%FS
	Current	≤0.1% + 0.1%FS
Read back stability-30min (%of Output +Offset)	Voltage	≤0.02%+0.02%FS
	Current	≤0.1% + 0.1%FS
Read back stability-8h (%of Output +Offset)	Voltage	≤0.02%+0.02%FS
	Current	≤0.1% + 0.1%FS
Efficiency	~ 90%	
Remote Sense Compensation	2V	
Command Response Time	2mS	
Power Factor	0.99	
Storage temperature	-10℃–70℃	
Protective function	OVP, OCP, OPP, OTP and Vsense reversed protection	

Load Mode:

Rated value (0 ℃-50 ℃)	Input Voltage	0 ~ 80V
	Input Current	0 ~ 300A
	Input Power	0 ~ 10000W
	Input Resistance	0.01 ~ 333Ω
	Min. operating voltage	0.45V at 300A
Setup Resolution	Voltage	0.001V
	Current	0.01A
	Power	0.001kW
	Resistance	0.001Ω
Read Back Resolution	Voltage	0.001V
	Current	0.01A

	Power	0.001kW
	Resistance	0.001Ω
Setup Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS
Read Back Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS
Setup Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Read Back Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Dynamic mode	Rising slope	300A/ms
	Falling slope	300A/ms
	Dynamic Frequency	500Hz
	Min. rise time	≤1ms
Output parameter	Output voltage range	198V ~ 264V (Derating 50%) 342V ~ 528V (Three-phase four-wire)
	Output frequency range	47Hz ~ 63Hz
	Maximum output current (rms)	L1,L2/17A;L3/29A
	Power factor	≥0.99
	Islanding protection	Active islanding protection
Setup stability-30min	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Setup stability-8h	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-30min	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-8h	Voltage	≤0.02% + 0.02%FS

(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Input impedance quiescent current	<10mA at Vmax	
Efficiency	~ 90%	
Remote Sense Compensation	≤2V	
Command Response Time	2ms	
Storage temperature	-10℃–70℃	
Protective function	OVP, OCP, OPP, OTP and Vsense reversed protection	
Communication interfaces	Standard: USB, CAN, LAN; optional: GPIB, analog card (include RS232), fiber optic socket	
Isolation (input to ground)	500V	
Working Temperature	0- 50℃	
Dimension (mm)	483mm(W)*801.61mm(D)*151.3mm(H)	
Weight (net)	30KG	

7.1.3 IT6015B-80-450

Source Mode

Parameter		IT6015B-80-450
Source Parameter		
Rated value (0 ℃-50 ℃)	Output Voltage	0 ~ 80V
	Output Current	-450 ~ 450A
	Output Power	-15000 ~ 15000W
	Output Resistance	0-1Ω
Line Regulation ±(%of Output+Offset)	Voltage	≤0.01%FS
	Current	≤0.05%FS
Load Regulation ±(%of Output+Offset)	Voltage	≤0.02%FS
	Current	≤0.05%FS
Setup Resolution	Voltage	0.001V
	Current	0.01A
	Power	0.001kW
	Resistance	0.001Ω

Read Back Resolution	Voltage	0.001V
	Current	0.01A
	Power	0.001kW
	Resistance	0.001Ω
Setup Accuracy (Within 12 months, 25℃±5℃) ±(%of Output +Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
	Power	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS
Read Back Accuracy (Within 12 months, 25℃±5℃) ±(%of Output +Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
	Power	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS
Ripple (20Hz -20MHz)	Voltage	≤120mVpp(MAX: ≤200mVpp)
	Current	≤0.1%FS RMS
Setup Temperature Coefficient (%of Output/℃+Offset)	Voltage	≤50PPM/℃
	Current	≤200PPM/℃
Read Back Temperature Coefficient (%of Output/℃+Offset)	Voltage	≤50PPM/℃
	Current	≤200PPM/℃
Rise time(no load)	Voltage	≤15ms
Rise time(full load)	Voltage	≤30ms
Fall time (no load)	Voltage	≤30ms
Fall time (full load)	Voltage	≤15ms
Transient Response Time	Voltage	≤2ms
AC Input	Voltage	198V ~ 264V (Derating 50%) 342V ~ 528V (Three-phase four-wire)
	Maximum input current	28.42A
	Maximum input apparent power	16.9kVA
	Frequency	47Hz ~ 63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
Setup stability-8h (%of Output +Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS

Read back stability-30min （ %of Output +Offset ）	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
Readback stability-8h （ %of Output +Offset ）	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
Efficiency	~ 90%	
Remote Sense Compensation	2V	
Command Response Time	2mS	
Power Factor	0.99	
Storage temperature	-10℃–70℃	
Protective function	OVP, OCP, OPP, OTP and Vsense reversed protection	

Load Mode:

Rated value (0 ℃-50 ℃)	Input Voltage	0 ~ 80V
	Input Current	0 ~ 450A
	Input Power	0 ~ 15000W
	Input Resistance	0.001 ~ 356Ω
	Min. operating voltage	0.45V at 450A
Setup Resolution	Voltage	0.001V
	Current	0.01A
	Power	0.001kW
	Resistance	0.0001Ω
Read Back Resolution	Voltage	0.001V
	Current	0.01A
	Power	0.001kW
	Resistance	0.0001Ω
Setup Accuracy (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
	Power	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS
Read Back Accuracy (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
	Power	≤0.5% + 0.5%FS

	Resistance	≤1% + 1%FS
Setup Temperature Coefficient (%of Output/℃+Offset)	Voltage	≤50PPM/℃
	Current	≤200PPM/℃
Read Back Temperature Coefficient (%of Output/℃+Offset)	Voltage	≤50PPM/℃
	Current	≤200PPM/℃
Dynamic mode	Rising slope	450A/ms
	Falling slope	450A/ms
	Dynamic Frequency	500Hz
	Min. rise time	≤1ms
Output parameter	Output voltage range	198V ~ 264V (Derating 50%) 342V ~ 528V (Three-phase four-wire)
	Output frequency range	47Hz ~ 63Hz
	Maximum output current (rms)	L1,L2/17A;L3/29A
	Power factor	≥0.99
	Islanding protection	Active islanding protection
Setup stability-30min (%of Output +Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
Setup stability-8h (%of Output +Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
Read back stability-30min (%of Output +Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
Readback stability-8h (%of Output +Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
Input impedance quies-cent current	<10mA at Vmax	
Efficiency	~ 90%	
Remote Sense Compensation	≤2V	
Command Response Time	2ms	
Storage temperature	-10℃–70℃	
Protective function	OVP, OCP, OPP, OTP and Vsense reversed protection	
Communication interfaces	Standard: USB, CAN, LAN; optional: GPIB, analog card (include RS232), fiber optic socket	

Isolation (input to ground)	500V
Working Temperature	0- 50℃
Dimension (mm)	483mm(W)*801.61mm(D)*151.3mm(H)
Weight (net)	40KG

7.1.4 IT6006B-300-75

Source Mode

Parameter		IT6006B-300-75
Source Parameter		
Rated value	Output Voltage	0 ~ 300V
(0 ℃-50 ℃)	Output Current	-75 ~ 75A
	Output Power	-6000 ~ 6000W
	Output Resistance	0-1Ω
Line Regulation	Voltage	≤0.01%FS
	Current	≤0.05%FS
Load Regulation	Voltage	≤0.02%FS
	Current	≤0.05%FS
Setup Resolution	Voltage	0.01V
	Current	0.001A
	Power	0.001kW
	Resistance	0.01Ω
Read Back Resolution	Voltage	0.01V
	Current	0.001A
	Power	0.001kW
	Resistance	0. 01Ω
Setup Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS
Read Back Accuracy	Voltage	≤0.02% + 0.02%FS

(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS
Ripple	Voltage	≤120mVpp(MAX:≤300mVpp)
(20Hz -20MHz)	Current	≤0.1%FS RMS
Setup Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Read Back Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Rise time(no load)	Voltage	≤15ms
Rise time(full load)	Voltage	≤30ms
Fall time (no load)	Voltage	≤30ms
Fall time (full load)	Voltage	≤15ms
Transient Response Time	Voltage	≤2ms
AC Input	Voltage	198V ~ 264V (Derating 50%) 342V ~ 528V (Three-phase four-wire)
	Maximum input current	L1,L2/20A;L3/0A
	Maximum input apparent power	6.6kVA
	Frequency	47Hz ~ 63Hz
Setup stability-30min	Voltage	≤0.02%+0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Setup stability-8h	Voltage	≤0.02%+0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-30min	Voltage	≤0.02%+0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-8h	Voltage	≤0.02%+0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Efficiency	~ 92%	
Remote Sense Compensation	≤3V	

Command Response Time	2mS
Power Factor	0.99
Storage temperature	-10℃–70℃
Protective function	OVP, OCP, OPP, OTP and Vsense reversed protection

Load Mode:

Rated value	Input Voltage	0 ~ 300V
(0 ℃-50 ℃)	Input Current	0 ~ 75A
	Input Power	0 ~ 6000W
	Input Resistance	0.001 ~ 7500Ω
	Min. operating voltage	1.6V at 75A
Setup Resolution	Voltage	0.01V
	Current	0.001A
	Power	0.001kW
	Resistance	0.01Ω
Read Back Resolution	Voltage	0.01V
	Current	0.001A
	Power	0.001kW
	Resistance	0.01Ω
Setup Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤2%Rmax,0 ~ 10%Rmax;≤5% Rmax,10% ~ Rmax
Read Back Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤2%Rmax,0 ~ 10%Rmax;≤5% Rmax,10% ~ Rmax
Setup Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃

Read Back Temperature Coefficient (%of Output/℃+Offset)	Voltage	≤50PPM/℃
	Current	≤200PPM/℃
Dynamic mode	Rising slope	75A/ms
	Falling slope	75A/ms
	Dynamic Frequency	500Hz
	Min. rise time	≤1ms
Output parameter	Output voltage range	198V ~ 264V (Derating 50%) 342V ~ 528V (Three-phase four-wire)
	Output frequency range	47Hz ~ 63Hz
	Maximum output current (rms)	L1,L2/20A;L3/0A
	Power factor	≥0.99
	Islanding protection	Active islanding protection
Setup stability-30min (%of Output +Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
Setup stability-8h (%of Output +Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
Readback stability-30min (%of Output +Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
Readback stability-8h (%of Output +Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
Input impedance quies-cent current	<10mA at Vmax	
Efficiency	~ 92%	
Remote Sense Compensation	≤3V	
Command Response Time	2Ms	
Storage temperature	-10℃–70℃	
Protective function	OVP, OCP, OPP, OTP and Vsense reversed protection	
Communication interfaces	Standard: USB, CAN, LAN; optional: GPIB, analog card (include RS232), fiber optic socket	
Isolation (input to ground)	1000V	
Working Temperature	0- 50℃	

Dimension (mm)	483mm(W)*801.61mm(D)*151.3mm(H)
Weight (net)	20KG

7.1.5 IT6012B-300-150

Source Mode

Parameter		IT6012B-300-150
Source Parameter		
Rated value (0 ℃-50 ℃)	Output Voltage	0 ~ 300V
	Output Current	-150 ~ 150A
	Output Power	-12000 ~ 12000W
	Output Resistance	0-1Ω
Line Regulation	Voltage	≤0.01%FS
	Current	≤0.05%FS
Load Regulation	Voltage	≤0.02%FS
	Current	≤0.05%FS
Setup Resolution	Voltage	0.01V
	Current	0.01A
	Power	0.001kW
	Resistance	0.001Ω
Read Back Resolution	Voltage	0.01V
	Current	0.01A
	Power	0.001kW
	Resistance	0. 001Ω
Setup Accuracy (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
	Power	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS
Read Back Accuracy (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
	Power	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS
Ripple (20Hz -20MHz)	Voltage	≤120mVpp(MAX:≤300mVpp)

	Current	≤0.1%FS RMS
Setup Temperature Coefficient (%of Output/℃+Offset)	Voltage	≤50PPM/℃
	Current	≤200PPM/℃
Read Back Temperature Coefficient (%of Output/℃+Offset)	Voltage	≤50PPM/℃
	Current	≤200PPM/℃
Rise time(no load)	Voltage	≤15ms
Rise time(full load)	Voltage	≤30ms
Fall time (no load)	Voltage	≤30ms
Fall time (full load)	Voltage	≤15ms
Transient Response Time	Voltage	≤2ms
AC Input	Voltage	198V ~ 264V (Derating 50%) 342V ~ 528V (Three-phase four-wire)
	Maximum input current	L1,L2/20A;L3/34A
	Maximum input apparent power	13.2kVA
	Frequency	47Hz ~ 63Hz
Setup stability-30min	Voltage	≤0.02%+0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Setup stability-8h	Voltage	≤0.02%+0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-30min	Voltage	≤0.02%+0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-8h	Voltage	≤0.02%+0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Efficiency	~ 92%	
Remote Sense Compensation	≤3V	
Command Response Time	2mS	
Power Factor	0.99	
Storage temperature	-10℃–70℃	
Protective function	OVP, OCP, OPP, OTP and Vsense reversed protection	

Load Mode:

Rated value	Input Voltage	0 ~ 300V
(0 ℃-50 ℃)	Input Current	0 ~ 150A
	Input Power	0 ~ 12000W
	Input Resistance	0.001 ~ 4000Ω
	Min. operating voltage	1.6V at 150A
Setup Resolution	Voltage	0.01V
	Current	0.01A
	Power	0.001kW
	Resistance	0.001Ω
Read Back Resolution	Voltage	0.01V
	Current	0.01A
	Power	0.001kW
	Resistance	0.001Ω
Setup Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤2%Rmax,0 ~ 10%Rmax;≤5% Rmax,10% ~ Rmax
Read Back Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤2%Rmax,0 ~ 10%Rmax;≤5% Rmax,10% ~ Rmax
Setup Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Read Back Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Dynamic mode	Rising slope	150A/ms
	Falling slope	150A/ms
	Dynamic Frequency	500Hz
	Min. rise time	≤1ms

Output parameter	Output voltage range	198V ~ 264V (Derating 50%) 342V ~ 528V (Three-phase four-wire)
	Output frequency range	47Hz ~ 63Hz
	Maximum output current (rms)	L1,L2/20A;L3/34A
	Power factor	≥0.99
	Islanding protection	Active islanding protection
Setup stability-30min (%of Output +Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
Setup stability-8h (%of Output +Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
Read back stability-30min (%of Output +Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
Readback stability-8h (%of Output +Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
Input impedance quies-cent current	<10mA at Vmax	
Efficiency	~ 92%	
Remote Sense Compensation	≤3V	
Command Response Time	2Ms	
Storage temperature	-10℃–70℃	
Protective function	OVP, OCP, OPP, OTP and Vsense reversed protection	
Communication interfaces	Standard: USB, CAN, LAN; optional: GPIB, analog card (include RS232), fiber optic socket	
Isolation (input to ground)	1000V	
Working Temperature	0- 50℃	
Dimension (mm)	483mm(W)*801.61mm(D)*151.3mm(H)	
Weight (net)	30KG	

7.1.6 IT6018B-300-225

Source Mode

Parameter		IT6018B-300-225
Source Parameter		
Rated value (0 ℃-50 ℃)	Output Voltage	0 ~ 300V
	Output Current	-225 ~ 225A
	Output Power	-18000 ~ 18000W
	Output Resistance	0-1Ω
Line Regulation	Voltage	≤0.01%FS
	Current	≤0.05%FS
Load Regulation	Voltage	≤0.02%FS
	Current	≤0.05%FS
Setup Resolution	Voltage	0.01V
	Current	0.01A
	Power	0.001kW
	Resistance	0.001Ω
Read Back Resolution	Voltage	0.01V
	Current	0.01A
	Power	0.001kW
	Resistance	0.001Ω
Setup Accuracy (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
	Power	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS
Read Back Accuracy (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
	Power	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS
Ripple (20Hz -20MHz)	Voltage	≤120mVpp(MAX:≤300mVpp)
	Current	≤0.1%FS RMS
Setup Temperature Coefficient (%of Output/℃+Offset)	Voltage	≤50PPM/℃
	Current	≤200PPM/℃
Read Back Temperature Coefficient (%of Output/℃+Offset)	Voltage	≤50PPM/℃
	Current	≤200PPM/℃
Rise time(no load)	Voltage	≤15ms
Rise time(full load)	Voltage	≤30ms

Fall time (no load)	Voltage	≤30ms
Fall time (full load)	Voltage	≤15ms
Transient Response Time	Voltage	≤2ms
AC Input	Voltage	198V ~ 264V (Derating 50%) 342V ~ 528V (Three-phase four-wire)
	Maximum input current	33.37A
	Maximum input apparent power	19.8kVA
	Frequency	47Hz ~ 63Hz
Setup stability-30min (%of Output +Offset)	Voltage	≤0.02%+0.02%FS
	Current	≤0.1% + 0.1%FS
Setup stability-8h (%of Output +Offset)	Voltage	≤0.02%+0.02%FS
	Current	≤0.1% + 0.1%FS
Readback stability-30min (%of Output +Offset)	Voltage	≤0.02%+0.02%FS
	Current	≤0.1% + 0.1%FS
Readback stability-8h (%of Output +Offset)	Voltage	≤0.02%+0.02%FS
	Current	≤0.1% + 0.1%FS
Efficiency	~ 92%	
Remote Sense Compensation	≤3V	
Command Response Time	2mS	
Power Factor	0.99	
Storage temperature	-10℃–70℃	
Protective function	OVP, OCP, OPP, OTP and Vsense reversed protection	

Load Mode:

Rated value (0 ℃-50 ℃)	Input Voltage	0 ~ 300V
	Input Current	0 ~ 225A
	Input Power	0 ~ 18000W
	Input Resistance	0.001 ~ 2667Ω
	Min. operating voltage	1.6V at 225A
Setup Resolution	Voltage	0.01V
	Current	0.01A

	Power	0.001kW
	Resistance	0.001Ω
Read Back Resolution	Voltage	0.01V
	Current	0.01A
	Power	0.001kW
	Resistance	0.001Ω
Setup Accuracy (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
	Power	≤0.5% + 0.5%FS
	Resistance	≤2%Rmax,0 ~ 10%Rmax;≤5% Rmax,10% ~ Rmax
Read Back Accuracy (within 12 months, 25℃ ±5℃) ±(%of Output+Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
	Power	≤0.5% + 0.5%FS
	Resistance	≤2%Rmax,0 ~ 10%Rmax;≤5% Rmax,10% ~ Rmax
Setup Temperature Coefficient (%of Output/℃+Offset)	Voltage	≤50PPM/℃
	Current	≤200PPM/℃
Read Back Temperature Coefficient (%of Output/℃+Offset)	Voltage	≤50PPM/℃
	Current	≤200PPM/℃
Dynamic mode	Rising slope	225A/ms
	Falling slope	225A/ms
	Dynamic Frequency	500Hz
	Min. rise time	≤1ms
Output parameter	Output voltage range	198V ~ 264V (Derating 50%) 342V ~ 528V (Three-phase four-wire)
	Output frequency range	47Hz ~ 63Hz
	Maximum output current (rms)	28A
	Power factor	≥0.99
	Islanding protection	Active islanding protection
Setup stability-30min (%of Output +Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
Setup stability-8h (%of Output +Offset)	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS

Read back stability-30min （ %of Output +Offset ）	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
Readback stability-8h （ %of Output +Offset ）	Voltage	≤0.02% + 0.02%FS
	Current	≤0.1% + 0.1%FS
Input impedance quies-cent current	<10mA at Vmax	
Efficiency	~ 92%	
Remote Sense Compensation	≤3V	
Command Response Time	2Ms	
Storage temperature	-10℃–70℃	
Protective function	OVP, OCP, OPP, OTP and Vsense reversed protection	
Communication interfaces	Standard: USB, CAN, LAN; optional: GPIB, analog card (include RS232), fiber optic socket	
Isolation (input to ground)	1000V	
Working Temperature	0- 50℃	
Dimension (mm)	483mm(W)*801.61mm(D)*151.3mm(H)	
Weight (net)	40KG	

7.1.7 IT6006B-500-40

Source Mode

Parameter		IT6006B-500-40
Source Parameter		
Rated value (0 ℃-50 ℃)	Output Voltage	0 ~ 500V
	Output Current	-40 ~ 40A
	Output Power	-6000 ~ 6000W
	Output Resistance	0-1Ω
Line Regulation	Voltage	≤0.01%FS
±(%of Output+Offset)	Current	≤0.05%FS
Load Regulation	Voltage	≤0.02%FS
±(%of Output+Offset)	Current	≤0.05%FS
Setup Resolution	Voltage	0.01V

	Current	0.001A
	Power	0.001kW
	Resistance	0.01Ω
Read Back Resolution	Voltage	0.01V
	Current	0.001A
	Power	0.001kW
	Resistance	0.01Ω
Setup Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS
Read Back Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS
Ripple	Voltage	≤200mVpp(MAX:≤500mVpp)
(20Hz -20MHz)	Current	≤0.1%FS RMS
Setup Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Read Back Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Rise time(no load)	Voltage	≤15ms
Rise time(full load)	Voltage	≤30ms
Fall time (no load)	Voltage	≤30ms
Fall time (full load)	Voltage	≤15ms
Transient Response Time	Voltage	≤2ms
AC Input	Voltage	198V ~ 264V (Derating 50%) 342V ~ 528V (Three-phase four-wire)
	Maximum input current	L1,L2/20A;L3/0A
	Maximum input apparent power	6.6kVA

	Frequency	47Hz ~ 63Hz
Setup stability-30min	Voltage	≤0.02%+0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Setup stability-8h	Voltage	≤0.02%+0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-30min	Voltage	≤0.02%+0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-8h	Voltage	≤0.02%+0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Efficiency	~ 92%	
Remote Sense Compensation	≤5V	
Command Response Time	2mS	
Power Factor	0.99	
Storage temperature	-10℃–70℃	
Protective function	OVP, OCP, OPP, OTP and Vsense reversed protection	
Communication interfaces	Standard: USB, CAN, LAN; optional: GPIB, analog card, fiber optic socket	

Load Mode:

Rated value (0 ℃-50 ℃)	Input Voltage	0 ~ 500V
	Input Current	0 ~ 40A
	Input Power	0 ~ 6000W
	Input Resistance	0.001 ~ 7500Ω
	Min. operating voltage	2.4V at 40A
Setup Resolution	Voltage	0.01V
	Current	0.001A
	Power	0.001kW
	Resistance	0.01Ω
Read Back Resolution	Voltage	0.01V
	Current	0.001A
	Power	0.001kW
	Resistance	0.01Ω

Setup Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤2%Rmax,0 ~ 10%Rmax;≤5% Rmax,10% ~ Rmax
Read Back Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤2%Rmax,0 ~ 10%Rmax;≤5% Rmax,10% ~ Rmax
Setup Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Read Back Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Dynamic mode	Rising slope	40A/ms
	Falling slope	40A/ms
	Dynamic Frequency	500Hz
	Min. rise time	≤1ms
Output parameter	Output voltage range	198V ~ 264V (Derating 50%) 342V ~ 528V (Three-phase four-wire)
	Output frequency range	47Hz ~ 63Hz
	Maximum output current (rms)	L1,L2/20A;L3/0A
	Power factor	≥0.99
	Islanding protection	Active islanding protection
Setup stability-30min	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Setup stability-8h	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-30min	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-8h	Voltage	≤0.02% + 0.02%FS

(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Input impedance quies-cent current	<10mA at Vmax	
Efficiency	~ 92%	
Remote Sense Compensation	≤5V	
Command Response Time	2Ms	
Storage temperature	-10℃–70℃	
Protective function	OVP, OCP, OPP, OTP and Vsense reversed protection	
Communication interfaces	Standard: USB, CAN, LAN; optional: GPIB, analog card (include RS232), fiber optic socket	
Isolation (input to ground)	1000V	
Working Temperature	0- 50℃	
Dimension (mm)	483mm(W)*801.61mm(D)*151.3mm(H)	
Weight (net)	20KG	

7.1.8 IT6012B-500-80

Source Mode

Parameter		IT6012B-500-80
Source Parameter		
Rated value (0 ℃-50 ℃)	Output Voltage	0 ~ 500V
	Output Current	-80 ~ 80A
	Output Power	-12000 ~ 12000W
	Output Resistance	0-1Ω
Line Regulation	Voltage	≤0.01%FS
±(%of Output+Offset)	Current	≤0.05%FS
Load Regulation	Voltage	≤0.02%FS
±(%of Output+Offset)	Current	≤0.05%FS
Setup Resolution	Voltage	0.01V
	Current	0.001A
	Power	0.001kW

	Resistance	0.01Ω
Read Back Resolution	Voltage	0.01V
	Current	0.001A
	Power	0.001kW
	Resistance	0.01Ω
Setup Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS
Read Back Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS
Ripple	Voltage	≤200mVpp(MAX: ≤500mVpp)
(20Hz -20MHz)	Current	≤0.1%FS RMS
Setup Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Read Back Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Rise time(no load)	Voltage	≤15ms
Rise time(full load)	Voltage	≤30ms
Fall time (no load)	Voltage	≤30ms
Fall time (full load)	Voltage	≤15ms
Transient Response Time	Voltage	≤2ms
AC Input	Voltage	198V to 264V (Derating 50%)
		342V to 528V(Three-phase four-wire)
	Maximum input current	L1,L2/20A;L3/34A
	Maximum input apparent power	13.2kVA
	Frequency	47Hz ~ 63Hz
Setup stability-30min	Voltage	≤0.02% + 0.02%FS

(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Setup stability-8h	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-30min	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-8h	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Efficiency	~ 92%	
Remote Sense Compensation	≤5V	
Command Response Time	2mS	
Power Factor	0.99	
Storage temperature	-10℃–70℃	
Protective function	OVP, OCP, OPP, OTP and Vsense reversed protection	
Communication interfaces	Standard: USB, CAN, LAN; optional: GPIB, analog card, fiber optic socket	

Load Mode:

Rated value (0 ℃-50 ℃)	Input Voltage	0 ~ 500V
	Input Current	0 ~ 80A
	Input Power	0 ~ 12000W
	Input Resistance	0.001 ~ 7500Ω
	Min. operating voltage	2.4V at 80A
Setup Resolution	Voltage	0.01V
	Current	0.001A
	Power	0.001kW
	Resistance	0.01Ω
Read Back Resolution	Voltage	0.01V
	Current	0.001A
	Power	0.001kW
	Resistance	0.01Ω
Setup Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS

±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤2%Rmax,0 ~ 10%Rmax;≤5% Rmax,10% ~ Rmax
Read Back Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤2%Rmax,0 ~ 10%Rmax;≤5% Rmax,10% ~ Rmax
Setup Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Read Back Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Dynamic mode	Rising slope	80A/ms
	Falling slope	80A/ms
	Dynamic Frequency	500Hz
	Min. rise time	≤1ms
	Output voltage range	198V ~ 264V (Derating 50%) 342V ~ 528V (Three-phase four-wire)
	Output frequency range	47Hz ~ 63Hz
Output parameter	Maximum output current (rms)	L1,L2/20A;L3/34A
	Power factor	≥0.99
	Islanding protection	Active islanding protection
Setup stability-30min	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Setup stability-8h	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-30min	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-8h	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Input impedance quies-cent current	<10mA at Vmax	

Efficiency	~ 92%
Remote Sense Compensation	≤5V
Command Response Time	2Ms
Storage temperature	-10℃–70℃
Protective function	OVP, OCP, OPP, OTP and Vsense reversed protection
Communication interfaces	Standard: USB, CAN, LAN; optional: GPIB, analog card (include RS232), fiber optic socket
Isolation (input to ground)	1000V
Working Temperature	0- 50℃
Dimension (mm)	483mm(W)*801.61mm(D)*151.3mm(H)
Weight (net)	30KG

7.1.9 IT6018B-500-120

Source Mode

Parameter		IT6018B-500-120
Source Parameter		
Rated value (0 ℃-50 ℃)	Output Voltage	0 ~ 500V
	Output Current	-120 ~ 120A
	Output Power	-18000 ~ 18000W
	Output Resistance	0-1Ω
Line Regulation	Voltage	≤0.01%FS
±(%of Output+Offset)	Current	≤0.05%FS
Load Regulation	Voltage	≤0.02%FS
±(%of Output+Offset)	Current	≤0.05%FS
Setup Resolution	Voltage	0.01V
	Current	0.01A
	Power	0.001kW
	Resistance	0.01Ω
Read Back Resolution	Voltage	0.01V
	Current	0.01A

	Power	0.001kW
	Resistance	0.01Ω
Setup Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS
Read Back Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS
Ripple	Voltage	≤200mVpp(MAX: ≤500mVpp)
(20Hz -20MHz)	Current	≤0.1%FS RMS
Setup Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Read Back Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Rise time(no load)	Voltage	≤15ms
Rise time(full load)	Voltage	≤30ms
Fall time (no load)	Voltage	≤30ms
Fall time (full load)	Voltage	≤15ms
Transient Response Time	Voltage	≤2ms
AC Input	Voltage	198V to 264V (Derating 50%)
		342V to 528V(Three-phase four-wire)
	Maximum input current	33.37A
	Maximum input apparent power	19.8kVA
	Frequency	47Hz ~ 63Hz
Setup stability-30min	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Setup stability-8h	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS

Readback stability-30min	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-8h	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Efficiency	~ 92%	
Remote Sense Compensation	≤5V	
Command Response Time	2mS	
Power Factor	0.99	
Storage temperature	-10℃–70℃	
Protective function	OVP, OCP, OPP, OTP and Vsense reversed protection	
Communication interfaces	Standard: USB, CAN, LAN; optional: GPIB, analog card, fiber optic socket	

Load Mode:

Rated value (0 ℃-50 ℃)	Input Voltage	0 ~ 500V
	Input Current	0 ~ 120A
	Input Power	0 ~ 18000W
	Input Resistance	0.001 ~ 7500Ω
	Min. operating voltage	2.4V at 120A
Setup Resolution	Voltage	0.01V
	Current	0.01A
	Power	0.001kW
	Resistance	0.01Ω
Read Back Resolution	Voltage	0.01V
	Current	0.01A
	Power	0.001kW
	Resistance	0.01Ω
Setup Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤2%Rmax,0 ~ 10%Rmax;≤5% Rmax,10% ~ Rmax

Read Back Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤2%Rmax,0 ~ 10%Rmax;≤5% Rmax,10% ~ Rmax
Setup Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Read Back Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Dynamic mode	Rising slope	120A/ms
	Falling slope	120A/ms
	Dynamic Frequency	500Hz
	Min. rise time	≤1ms
Output parameter	Output voltage range	198V ~ 264V (Derating 50%) 342V ~ 528V (Three-phase four-wire)
	Output frequency range	47Hz ~ 63Hz
	Maximum output current (rms)	28A
	Power factor	≥0.99
	Islanding protection	Active islanding protection
Setup stability-30min	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Setup stability-8h	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-30min	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-8h	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Input impedance quies-cent current	<10mA at Vmax	
Efficiency	~ 92%	
Remote Sense Compensation	≤5V	

Command Response Time	2Ms
Storage temperature	-10℃–70℃
Protective function	OVP, OCP, OPP, OTP and Vsense reversed protection
Communication interfaces	Standard: USB, CAN, LAN; optional: GPIB, analog card (include RS232), fiber optic socket
Isolation (input to ground)	1000V
Working Temperature	0- 50℃
Dimension (mm)	483mm(W)*801.61mm(D)*151.3mm(H)
Weight (net)	40KG

7.1.10 IT6006B-800-25

Source Mode

Parameter		IT6006B-800-25
Source Parameter		
Rated value (0 ℃-50 ℃)	Output Voltage	0-800V
	Output Current	-25 ~ 25A
	Output Power	-6000 ~ 6000W
	Output Resistance	0-1Ω
Line Regulation	Voltage	≤0.01%FS
±(%of Output+Offset)	Current	≤0.05%FS
Load Regulation	Voltage	≤0.02%FS
±(%of Output+Offset)	Current	≤0.05%FS
Setup Resolution	Voltage	0.01V
	Current	0.001A
	Power	0.001kW
	Resistance	0.1Ω
Read Back Resolution	Voltage	0.01V
	Current	0.001A
	Power	0.001kW
	Resistance	0.1Ω
Setup Accuracy	Voltage	≤0.02% + 0.02%FS

(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS
Read Back Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS
Ripple	Voltage	≤800mVpp(MAX:≤1.2Vpp)
(20Hz -20MHz)	Current	≤0.1%FS RMS
Setup Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Read Back Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Rise time(no load)	Voltage	≤15ms
Rise time(full load)	Voltage	≤30ms
Fall time (no load)	Voltage	≤30ms
Fall time (full load)	Voltage	≤15ms
Transient Response Time	Voltage	≤2ms
AC Input	Voltage	198V ~ 264V (Derating 50%) 342V ~ 528V (Three-phase four-wire)
	Maximum input current	L1,L2/20A;L3/0A
	Maximum input apparent power	6.6kVA
	Frequency	47Hz ~ 63Hz
Setup stability-30min	Voltage	≤0.02%+0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Setup stability-8h	Voltage	≤0.02%+0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-30min	Voltage	≤0.02%+0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-8h	Voltage	≤0.02%+0.02%FS

(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Efficiency	~ 92%	
Remote Sense Compensation	≤8V	
Command Response Time	2mS	
Power Factor	0.99	
Storage temperature	-10℃–70℃	
Protective function	OVP, OCP, OPP, OTP and Vsense reversed protection	
Communication interfaces	Standard: USB, CAN, LAN; optional: GPIB, analog card, fiber optic socket	

Load Mode:

Rated value (0 ℃-50 ℃)	Input Voltage	0 ~ 800V
	Input Current	0 ~ 25A
	Input Power	0 ~ 6000W
	Input Resistance	0.001 ~ 7500Ω
	Min. operating voltage	2.1V at 25A
Setup Resolution	Voltage	0.01V
	Current	0.001A
	Power	0.001kW
	Resistance	0.1Ω
Read Back Resolution	Voltage	0.01V
	Current	0.001A
	Power	0.001kW
	Resistance	0.1Ω
Setup Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤2%Rmax,0 ~ 10%Rmax;≤5% Rmax,10% ~ Rmax
Read Back Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS

	Resistance	≤2%Rmax,0 ~ 10%Rmax;≤5% Rmax,10% ~ Rmax
Setup Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Read Back Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Dynamic mode	Rising slope	25A/ms
	Falling slope	25A/ms
	Dynamic Frequency	500Hz
	Min. rise time	≤1ms
Output parameter	Output voltage range	198V ~ 264V (Derating 50%) 342V ~ 528V (Three-phase four-wire)
	Output frequency range	47Hz ~ 63Hz
	Maximum output current (rms)	L1,L2/20A;L3/0A
	Power factor	≥0.99
	Islanding protection	Active islanding protection
Setup stability-30min	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Setup stability-8h	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-30min	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-8h	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Input impedance quies-cent current	<10mA at Vmax	
Efficiency	~ 92%	
Remote Sense Compensation	≤8V	
Command Response Time	2Ms	
Storage temperature	-10℃–70℃	
Protective function	OVP, OCP, OPP, OTP and Vsense reversed protection	

Communication interfaces	Standard: USB, CAN, LAN; optional: GPIB, analog card (include RS232), fiber optic socket
Isolation (input to ground)	1500V
Working Temperature	0- 50℃
Dimension (mm)	483mm(W)*801.61mm(D)*151.3mm(H)
Weight (net)	20KG

7.1.11 IT6012B-800-50

Source Mode

Parameter		IT6012B-800-50
Source Parameter		
Rated value (0 ℃-50 ℃)	Output Voltage	0-800V
	Output Current	-50 ~ 50A
	Output Power	-12000 ~ 12000W
	Output Resistance	0-1Ω
Line Regulation	Voltage	≤0.01%FS
±(%of Output+Offset)	Current	≤0.05%FS
Load Regulation	Voltage	≤0.02%S
±(%of Output+Offset)	Current	≤0.05%FS
Setup Resolution	Voltage	0.01V
	Current	0.001A
	Power	0.001kW
	Resistance	0.01Ω
Read Back Resolution	Voltage	0.01V
	Current	0.001A
	Power	0.001kW
	Resistance	0.01Ω
Setup Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS

Read Back Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS
Ripple	Voltage	≤800mVpp(MAX:≤1.2Vpp)
(20Hz -20MHz)	Current	≤0.1%FS RMS
Setup Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Read Back Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Rise time(no load)	Voltage	≤15ms
Rise time(full load)	Voltage	≤30ms
Fall time (no load)	Voltage	≤30ms
Fall time (full load)	Voltage	≤15ms
Transient Response Time	Voltage	≤2ms
AC Input	Voltage	198V ~ 264V (Derating 50%) 342V ~ 528V (Three-phase four-wire)
	Maximum input current	L1,L2/20A;L3/34A
	Maximum input apparent power	13.2kVA
	Frequency	47Hz ~ 63Hz
Setup stability-30min	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Setup stability-8h	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-30min	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-8h	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Efficiency	~ 92%	
Remote Sense Compensation	≤8V	

Command Response Time	2mS
Power Factor	0.99
Storage temperature	-10℃–70℃
Protective function	OVP, OCP, OPP, OTP and Vsense reversed protection
Communication interfaces	Standard: USB, CAN, LAN; optional: GPIB, analog card, fiber optic socket

Load Mode:

Rated value (0 ℃-50 ℃)	Input Voltage	0 ~ 800V
	Input Current	0 ~ 50A
	Input Power	0 ~ 12000W
	Input Resistance	0.001 ~ 7500Ω
	Min. operating voltage	2.1V at 50A
Setup Resolution	Voltage	0.01V
	Current	0.001A
	Power	0.001kW
	Resistance	0.01Ω
Read Back Resolution	Voltage	0.01V
	Current	0.001A
	Power	0.001kW
	Resistance	0.01Ω
Setup Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤2%Rmax,0 ~ 10%Rmax;≤5% Rmax,10% ~ Rmax
Read Back Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤2%Rmax,0 ~ 10%Rmax;≤5% Rmax,10% ~ Rmax
Setup Temperature Coefficient	Voltage	≤50PPM/℃

(%of Output/℃+Offset)	Current	≤200PPM/℃
Read Back Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Dynamic mode	Rising slope	50A/ms
	Falling slope	50A/ms
	Dynamic Frequency	500Hz
	Min. rise time	≤1ms
Output parameter	Output voltage range	198V ~ 264V (Derating 50%) 342V ~ 528V (Three-phase four-wire)
	Output frequency range	47Hz ~ 63Hz
	Maximum output current (rms)	L1,L2/20A;L3/34A
	Power factor	≥0.99
	Islanding protection	Active islanding protection
Setup stability-30min	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Setup stability-8h	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-30min	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-8h	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Input impedance quies-cent current	<10mA at Vmax	
Efficiency	~ 92%	
Remote Sense Compensation	≤8V	
Command Response Time	2Ms	
Storage temperature	-10℃–70℃	
Protective function	OVP, OCP, OPP, OTP and Vsense reversed protection	
Communication interfaces	Standard: USB, CAN, LAN; optional: GPIB, analog card (include RS232), fiber optic socket	
Isolation (input to ground)	1500V	
Working Temperature	0- 50℃	

Dimension (mm)	483mm(W)*801.61mm(D)*151.3mm(H)
Weight (net)	30KG

7.1.12 IT6018B-800-75

Source Mode

Parameter		IT6018B-800-75
Source Parameter		
Rated value (0 ℃-50 ℃)	Output Voltage	0-800V
	Output Current	-75 ~ 75A
	Output Power	-18000 ~ 18000W
	Output Resistance	0-1Ω
Line Regulation	Voltage	≤0.01%FS
	Current	≤0.05%FS
Load Regulation	Voltage	≤0.02%FS
	Current	≤0.05%FS
Setup Resolution	Voltage	0.01V
	Current	0.001A
	Power	0.001kW
	Resistance	0.01Ω
Read Back Resolution	Voltage	0.01V
	Current	0.001A
	Power	0.001kW
	Resistance	0.01Ω
Setup Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS
Read Back Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS

Ripple	Voltage	≤320mVpp(MAX: ≤800mVpp)
(20Hz -20MHz)	Current	≤0.1%FS RMS
Setup Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Read Back Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Rise time(no load)	Voltage	≤15ms
Rise time(full load)	Voltage	≤30ms
Fall time (no load)	Voltage	≤30ms
Fall time (full load)	Voltage	≤15ms
Transient Response Time	Voltage	≤2ms
AC Input	Voltage	198V to 264V (Derating 50%)
		342V to 528V(Three-phase four-wire)
	Maximum input current	33.37A
	Maximum input apparent power	19.8kVA
	Frequency	47Hz ~ 63Hz
Setup stability-30min	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Setup stability-8h	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-30min	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-8h	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Efficiency	~ 92%	
Remote Sense Compensation	≤8V	
Command Response Time	2mS	
Power Factor	0.99	
Storage temperature	-10℃–70℃	

Protective function	OVP, OCP, OPP, OTP and Vsense reversed protection
Communication interfaces	Standard: USB, CAN, LAN; optional: GPIB, analog card, fiber optic socket

Load Mode:

Rated value (0 ℃-50 ℃)	Input Voltage	0 ~ 800V
	Input Current	0 ~ 75A
	Input Power	0 ~ 18000W
	Input Resistance	0.001 ~ 7500Ω
	Min. operating voltage	2.1V at 75A
Setup Resolution	Voltage	0.01V
	Current	0.001A
	Power	0.001kW
	Resistance	0.01Ω
Read Back Resolution	Voltage	0.01V
	Current	0.001A
	Power	0.001kW
	Resistance	0.01Ω
Setup Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤2%Rmax,0 ~ 10%Rmax;≤5% Rmax,10% ~ Rmax
Read Back Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤2%Rmax,0 ~ 10%Rmax;≤5% Rmax,10% ~ Rmax
Setup Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Read Back Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃

Dynamic mode	Rising slope	75A/ms
	Falling slope	75A/ms
	Dynamic Frequency	500Hz
	Min. rise time	≤1ms
Output parameter	Output voltage range	198V ~ 264V (Derating 50%) 342V ~ 528V (Three-phase four-wire)
	Output frequency range	47Hz ~ 63Hz
	Maximum output current (rms)	28A
	Power factor	≥0.99
	Islanding protection	Active islanding protection
Setup stability-30min	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Setup stability-8h	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-30min	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-8h	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Input impedance quies-cent current	<10mA at Vmax	
Efficiency	~ 92%	
Remote Sense Compensation	≤8V	
Command Response Time	2Ms	
Storage temperature	-10℃–70℃	
Protective function	OVP, OCP, OPP, OTP and Vsense reversed protection	
Communication interfaces	Standard: USB, CAN, LAN; optional: GPIB, analog card (include RS232), fiber optic socket	
Isolation (input to ground)	1500V	
Working Temperature	0- 50℃	
Dimension (mm)	483mm(W)*801.61mm(D)*151.3mm(H)	
Weight (net)	40KG	

7.1.13 IT6018B-1500-40

Source Mode

Parameter		IT6018B-1500-40
Source Parameter		
Rated value (0 ℃-50 ℃)	Output Voltage	0 ~ 1500V
	Output Current	-40 ~ 40A
	Output Power	-18000 ~ 18000W
	Output Resistance	0-1Ω
Line Regulation	Voltage	≤0.01%FS
	Current	≤0.05%FS
Load Regulation	Voltage	≤0.02%FS
	Current	≤0.05%FS
Setup Resolution	Voltage	0.1V
	Current	0.001A
	Power	0.001kW
	Resistance	0.1Ω
Read Back Resolution	Voltage	0.1V
	Current	0.001A
	Power	0.001kW
	Resistance	0.1Ω
Setup Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS
Read Back Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS
Ripple	Voltage	≤600mVpp(MAX: ≤1500mVpp)
(20Hz -20MHz)	Current	≤0.1%FS RMS
Setup Temperature Coefficient	Voltage	≤50PPM/℃

(%of Output/℃+Offset)	Current	≤200PPM/℃
Read Back Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Rise time(no load)	Voltage	≤15ms
Rise time(full load)	Voltage	≤30ms
Fall time (no load)	Voltage	≤30ms
Fall time (full load)	Voltage	≤15ms
Transient Response Time	Voltage	≤2ms
AC Input	Voltage	198V to 264V (Derating 50%)
		342V to 528V(Three-phase four-wire)
	Maximum input current	33.37A
	Maximum input apparent power	19.8kVA
	Frequency	47Hz ~ 63Hz
Setup stability-30min	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Setup stability-8h	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-30min	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-8h	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Efficiency	~ 92%	
Remote Sense Compensation	≤15V	
Command Response Time	2mS	
Power Factor	0.99	
Storage temperature	-10℃–70℃	
Protective function	OVP, OCP, OPP, OTP and Vsense reversed protection	
Communication interfaces	Standard: USB, CAN, LAN; optional: GPIB, analog card, fiber optic socket	

Load Mode:

Rated value	Input Voltage	0 ~ 1500V
(0 ℃-50 ℃)	Input Current	0 ~ 40A
	Input Power	0 ~ 18000W
	Input Resistance	0.001 ~ 7500Ω
	Min. operating voltage	7.2V at 40A
Setup Resolution	Voltage	0.1V
	Current	0.001A
	Power	0.001kW
	Resistance	0.1Ω
Read Back Resolution	Voltage	0.1V
	Current	0.001A
	Power	0.001kW
	Resistance	0.1Ω
Setup Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤2%Rmax,0 ~ 10%Rmax;≤5% Rmax,10% ~ Rmax
Read Back Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤2%Rmax,0 ~ 10%Rmax;≤5% Rmax,10% ~ Rmax
Setup Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Read Back Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Dynamic mode	Rising slope	40A/ms
	Falling slope	40A/ms
	Dynamic Frequency	500Hz
	Min. rise time	≤1ms

Output parameter	Output voltage range	198V ~ 264V (Derating 50%) 342V ~ 528V (Three-phase four-wire)
	Output frequency range	47Hz ~ 63Hz
	Maximum output current (rms)	28A
	Power factor	≥0.99
	Islanding protection	Active islanding protection
Setup stability-30min	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Setup stability-8h	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-30min	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-8h	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Input impedance quies-cent current	<10mA at Vmax	
Efficiency	~ 92%	
Remote Sense Compensation	≤15V	
Command Response Time	2Ms	
Storage temperature	-10℃–70℃	
Protective function	OVP, OCP, OPP, OTP and Vsense reversed protection	
Communication interfaces	Standard: USB, CAN, LAN; optional: GPIB, analog card (include RS232), fiber optic socket	
Isolation (input to ground)	1800V	
Working Temperature	0- 50℃	
Dimension (mm)	483mm(W)*801.61mm(D)*151.3mm(H)	
Weight (net)	40KG	

7.1.14 IT6018B-2250-25

Source Mode

Parameter		IT6018B-2250-25
Source Parameter		
Rated value (0 ℃-50 ℃)	Output Voltage	0 ~ 2250V
	Output Current	-25 ~ 25A
	Output Power	-18000 ~ 18000W
	Output Resistance	0-1Ω
Line Regulation	Voltage	≤0.01%FS
±(%of Output+Offset)	Current	≤0.05%FS
Load Regulation	Voltage	≤0.02%FS
±(%of Output+Offset)	Current	≤0.05%FS
Setup Resolution	Voltage	0.1V
	Current	0.001A
	Power	0.001kW
	Resistance	0.1Ω
Read Back Resolution	Voltage	0.1V
	Current	0.001A
	Power	0.001kW
	Resistance	0.1Ω
Setup Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS
Read Back Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤1% + 1%FS
Ripple	Voltage	≤900mVpp(MAX:≤2250mVpp)
(20Hz -20MHz)	Current	≤0.1%FS RMS
Setup Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Read Back Temperature Coefficient	Voltage	≤50PPM/℃

(%of Output/℃+Offset)	Current	≤200PPM/℃
Rise time(no load)	Voltage	≤15ms
Rise time(full load)	Voltage	≤30ms
Fall time (no load)	Voltage	≤30ms
Fall time (full load)	Voltage	≤15ms
Transient Response Time	Voltage	≤2ms
AC Input	Voltage	198V ~ 264V (Derating 50%) 342V ~ 528V (Three-phase four-wire)
	Maximum input current	33.37A
	Maximum input apparent power	19.8kVA
	Frequency	47Hz ~ 63Hz
Setup stability-30min	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1%+0.1%FS
Setup stability-8h	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1%+0.1%FS
Readback stability-30min	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1%+0.1%FS
Readback stability-8h	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1%+0.1%FS
Efficiency	~ 92%	
Remote Sense Compensation	≤22.5V	
Command Response Time	2mS	
Power Factor	0.99	
Storage temperature	-10℃–70℃	
Protective function	OVP, OCP, OPP, OTP and Vsense reversed protection	
Communication interfaces	Standard: USB, CAN, LAN; optional: GPIB, analog card, fiber optic socket	

Load Mode:

Rated value (0 ℃-50 ℃)	Input Voltage	0 ~ 2250V
	Input Current	0 ~ 25A

	Input Power	0 ~ 18000W
	Input Resistance	0.001 ~ 7500Ω
	Min. operating voltage	6.25V at 25A
Setup Resolution	Voltage	0.1V
	Current	0.001A
	Power	0.001kW
	Resistance	0.1Ω
Read Back Resolution	Voltage	0.1V
	Current	0.001A
	Power	0.001kW
	Resistance	0.1Ω
Setup Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤2%Rmax,0 ~ 10%Rmax;≤5% Rmax,10% ~ Rmax
Read Back Accuracy	Voltage	≤0.02% + 0.02%FS
(within 12 months, 25℃ ±5℃)	Current	≤0.1% + 0.1%FS
±(%of Output+Offset)	Power	≤0.5% + 0.5%FS
	Resistance	≤2%Rmax,0 ~ 10%Rmax;≤5% Rmax,10% ~ Rmax
Setup Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Read Back Temperature Coefficient	Voltage	≤50PPM/℃
(%of Output/℃+Offset)	Current	≤200PPM/℃
Dynamic mode	Rising slope	25A/ms
	Falling slope	25A/ms
	Dynamic Frequency	500Hz
	Min. rise time	≤1ms
Output parameter	Output voltage range	198V ~ 264V (Derating 50%) 342V ~ 528V (Three-phase four-wire)
	Output frequency range	47Hz ~ 63Hz

	Maximum output current (rms)	28A
	Power factor	≥0.99
	Islanding protection	Active islanding protection
Setup stability-30min	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Setup stability-8h	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-30min	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Readback stability-8h	Voltage	≤0.02% + 0.02%FS
(%of Output +Offset)	Current	≤0.1% + 0.1%FS
Input impedance quies-cent current	<10mA at Vmax	
Efficiency	~ 92%	
Remote Sense Compensation	≤22.5V	
Command Response Time	2Ms	
Storage temperature	-10℃–70℃	
Protective function	OVP, OCP, OPP, OTP and Vsense reversed protection	
Communication interfaces	Standard: USB, CAN, LAN; optional: GPIB, analog card (include RS232), fiber optic socket	
Isolation (input to ground)	3000V	
Working Temperature	0- 50℃	
Dimension (mm)	483mm(W)*801.61mm(D)*151.3mm(H)	
Weight (net)	40KG	