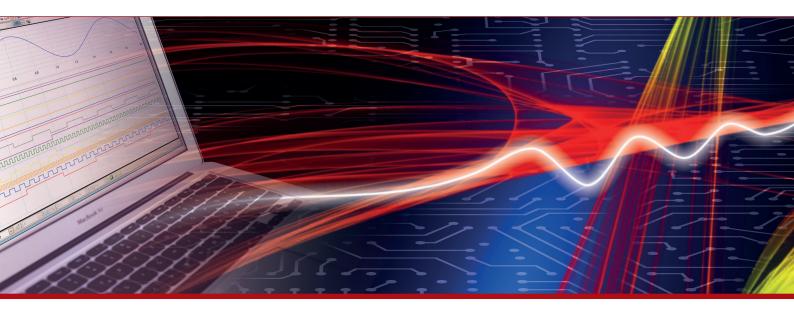


Product Datasheet - Technical Specifications



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Chapter9 Technical Specifications

This chapter will introduce the main technical parameters of IT7600, such as rated voltage/current/power and so on. Besides, this part will introduce the working environment and storage temperature.

9.1 Main technical parameters

Para	meter	IT7622 V1.4
		AC Input
Vo	Itage	220Vac±10% or 110Vac±10%
Ph	nase	1φ
Freq	luency	47-63Hz
Max.	Current	20A/40A
Powe	r Factor	0.7(Typical)
		AC Output
Max. outp	out power	750VA
Voltage	e range	High:2V-300V, Low:1V-150V, Auto:1V-150V/2V-300V
Voltage r	esolution	10mV
Voltage accura	acy(loop:fast)*1	±0.2%+(0.2%+0.2%×Kfreq)×FS*2
Voltage accura	cy(loop:slow)*1	±0.3%+(0.3%+0.3%×Kfreq)×FS*2
Temp. co	pefficient	±(0.04% per degree from 25°C)
Max	1-150Vac	0-6Arms
Current(rms)	2-300Vac	0-3Arms
Max	90-125Vac	0-18Apeak
Current(peak)	180-250Vac	0-9Apeak
Total Harman	io Diotortion*3	≤0.5% at 10-500Hz (Resistive Load)
iotai Haimon	ic Distortion*3	≤2% at 501-5000Hz (Resistive Load)
Crest	Factor	3(Typical)
Line Regulation		≤0.1%FS(Resistive Load)
Load Regulation		≤0.5%FS(Resistive Load)
Dynamic Re	sponse Time	≤100us(Typical)
Output	Phase	single phase
		DC Output



Max. outpu	ıt power	375W
Voltage output		±212V/±424V*6
Voltage resolution		10mV
Voltage output a		±(0.2%+0.2%FS)*7
Temp. coe	efficient	±(0.04% per degree from 25°C)
Current	range	3A/1.5A
Current re	solution	10mA
Current readba	ick accuracy	±(0.3%+0.3%FS)*7
Power meter	· accuracy	±(0.4%+0.4%FS)*7
Valta na vinala	Peak	300mVp-p
Voltage ripple	Rms	150mVrms
		Meter
	Range	0-300Vac
	Resolution	10mV
AC voltage	Accuracy	±(0.2%+0.2%FS)
	Temp. coefficient	±(0.04% per degree from 25°C)
	Range	0-6Arms
AC current	Resolution	10mA
(rms)	Accuracy	±0.3%+(0.3%+0.2%×Kfreq)×FS*2
	Temp. coefficient	±(0.04% per degree from 25°C)
	Range	0-18Apeak
AC current	Resolution	10mA
(peak)	Accuracy	±0.3%+(0.3%+0.2%×Kfreq)×FS*2
	Temp. coefficient	±(0.04% per degree from 25°C)
	Resolution	10mW
Power	Accuracy	±0.4%+(0.4%+0.3%×Kfreq)×FS*2
	Temp. coefficient	±(0.04% per degree from 25°C)
	Range	0-360°
Phase Angle	Resolution	1°
	Accuracy	±1°(45-65Hz) *5
Frequency	Range	10Hz-5KHz



	Resolution	0.1Hz
	Accuracy	±0.1%+0.1Hz(45Hz-999.9Hz)/±0.1%+1Hz(1KHz-5KHz)*4
		Other
Protection		OPP,OCP,OTP
Interface		GPIB,USB,LAN,RS232,CAN
Dimension (WxHxD)		3u
Weight		45Kg

^{*1:} Precondition for voltage accuracy: Slow loop speed: 10-100Hz, Fast loop speed: 10-5KHz;

^{*7:} FS=full: Vdc=424Vdc; Idc=3A; P=375W.

Parameter		IT7624	V1.4	
	AC Input			
Vo	ltage	220Vac±10% or 110Vac±10%		
Pł	nase	1φ		
Fred	quency	47-63Hz		
Max.	Current	30A/60A		
Powe	r Factor	0.7(Typical)		
AC Output				
Max. output power		1.5KVA		
Voltage	e range	High:2V-300V, Low:1V-150V, Auto:1V-150V/2	2V-300V	
Voltage r	esolution	10mV		
Voltage accura	acy(loop:fast)*1	±0.2%+(0.2%+0.2%×Kfreq)×FS*2		
Voltage accuracy(loop:slow)*1		±0.3%+(0.3%+0.3%×Kfreq)×FS*2		
Temp. coefficient		±(0.04% per degree from 25°C)		
Max	1-150Vac	0-12Arms		
Current(rms)	2-300Vac	0-6Arms		

^{*2:} FS= Full Scale, Vrms=300Vac; Irms=6A; Ipk=18A; P=750VA;

^{*3:} The minimum voltage of THD test is 10Vac (Auto mode) and 20Vac (High mode).

^{*4:} The test frequency accuracy should ensure that the minimum voltage is 35Vac.

^{*5:} Testing premise is in Fast mode

^{*6:} The minimum voltage setting must not be less than 50Vdc/35Vac.



	90-125Vac	0-36Apeak
Max Current(peak)	180-250Vac	•
" , 100-230 vac		0-18Apeak
Total Harmonic Distortion*3		<0.5% at 10-500Hz (Resistive Load)
Crest I	Factor	≤2% at 501-5000Hz (Resistive Load)
		3(Typical)
Line Re		≤0.1%FS(Resistive Load)
Load Re		≤0.5%FS(Resistive Load)
Dynamic Res	-	≤100us(Typical)
Output	Phase	single phase
		DC Output
Max. outp	out power	750W
Voltage	output	±212V/±424V*6
Voltage re		10mV
Voltage output Accu		±(0.2%+0.2%FS)*7
Temp. co	pefficient	±(0.04% per degree from 25°C)
Curren	t range	6A/3A
Current re	esolution	10mA
Current readback accuracy		±(0.3%+0.3%FS)*7
Power meter	er accuracy	±(0.4%+0.4%FS)*7
Voltage ripple	Peak	300mVp-p
voltage rippie	Rms	150mVrms
		Meter
	Range	0-300Vac
	Resolution	10mV
AC voltage	Accuracy	±(0.2%+0.2%FS)
	Temp. coefficient	±(0.04% per degree from 25°C)
	Range	0-12Arms
AC current (rms)	Resolution	10mA
	Accuracy	±0.3%+(0.3%+0.2%×Kfreq)×FS*2
	Temp. coefficient	±(0.04% per degree from 25°C)
AC current	Range	0-36Apeak
(peak)	Resolution	10mA



	Accuracy	±0.3%+(0.3%+0.2%×Kfreq)×FS*2	
	Temp.	±(0.04% per degree from 25°C)	
	Resolution	10mW	
Power	Accuracy	±0.4%+(0.4%+0.2%×Kfreq)×FS*2	
	Temp. coefficient	±(0.04% per degree from 25°C)	
	Range	0-360°	
Phase Angle	Resolution	1°	
	Accuracy	±1°(45-65Hz)*5	
	Range	10Hz-5KHz	
Frequency	Resolution	0.1Hz	
	Accuracy	±0.1%+0.1Hz(45Hz-999.9Hz)/±0.1%+1Hz(1KHz-5KHz)*4	
	Other		
Protection	OPP,OCP,OTP		
Interface	GPIB,USB,LAN,RS232,CAN		
Dimension (WxHxD)	3u		
Weight	50Kg		

^{*1:} Precondition for voltage accuracy: Slow loop speed: 10-100Hz; Fast loop speed: 10-5KHz.

^{*7:} FS=full: Vdc=424Vdc; Idc=6A; P=750W.

Parameter	IT7625 V1.1
	AC Input
Voltage	380Vac±10%(Y)
Phase	3φ
Frequency	47-63Hz
Max.Current	30A
Power Factor	0.7(Typical)

^{*2:} FS= Full Scale: Vrms=300Vac, Irms=12A; Ipk=36A; P=1500VA.

^{*3:} The minimum voltage of THD test is 10Vac (Auto mode) and 20Vac (High mode).

^{*4:} The test frequency accuracy should ensure that the minimum voltage is 35Vac.

^{*5:} Testing premise is in Fast mode

^{*6:} The minimum voltage setting must not be less than 50Vdc/35Vac.



		AC Output
Output Phase		1φ or 3φ
Max. output	power	4.5KVA
Max. output power	of each phase	1.5KVA
Voltage ra	nge	High:2V-300V, Low:1V-150V, Auto:1V-150V/2V-300V
Voltage reso	olution	10mV
Voltage accuracy	(loop:fast)*1	±0.2%+(0.2%+0.2%×Kfreq)×FS*2
Voltage accuracy	(loop:slow)*1	±0.3%+(0.3%+0.3%×Kfreq)×FS*2
Temp. coef	ficient	±(0.04% per degree from 25°C)
Max.Current(1φ)	RMS	36A/18A*8
Max.Currerit(τψ)	Peak(CF=3)	108A/54A*8
May Current/20)	RMS	12A/6A
Max.Current(3φ)	Peak(CF=3)	36A/18A
Total Harmania	Diatortion*3	≤0.5% at 10-500Hz (Resistive Load)
Total Harmonic I	Distortion •	≤2% at 501-5000Hz (Resistive Load)
Crest Fac	ctor	3
Line Regul	ation	≤0.1%FS(Resistive Load)
Load Regu	lation	≤0.5%FS(Resistive Load)
Dynamic Respo	onse Time	≤200us(Typical)
		DC Output
Max. output	power	2.25KW
Voltage ou	utput	±212V/±424V*6
Voltage reso	olution	10mV
Voltage output an Accurac		±(0.2%+0.2%FS)*7
Temp. coef	ficient	±(0.04% per degree from 25°C)
Current range		18A/9A
Current resolution		10mA
Current readback accuracy		±(0.3%+0.3%FS)*7
Power meter accuracy		±(0.4%+0.4%FS)*7
Voltage visula	Peak	500mVp-p
Voltage ripple	Rms	200mVrms
		Meter



	Accuracy	±0.1%+0.1Hz(10Hz-999.9Hz)/±0.1%+1Hz(1KHz-5KHz)*4 Other
Frequency	Resolution	
Eroguanay	Range	10Hz-5KHz 0.1Hz
	Accuracy	±1°(45-65Hz)*5
Phase Angle	Resolution	1°
	Range	0-360°
	Temp. coefficient	±(0.04% per degree from 25°C)
Power	Accuracy	±0.4%+(0.4%+0.2%×Kfreq)×FS*2
	Resolution	10mW
	Temp. coefficient	±(0.04% per degree from 25°C)
AC current (peak)	Accuracy	±0.3%+(0.3%+0.2%×Kfreq)×FS*2
	Resolution	10mA
	Range	0-108Apeak
	Temp.	±(0.04% per degree from 25°C)
AC current (rms)	Accuracy	±0.3%+(0.3%+0.2%×Kfreq)×FS*2
	Resolution	10mA
	Range	0-36Arms
	Temp.	±(0.04% per degree from 25°C)
AC voltage	Accuracy	±(0.2%+0.2%FS)
	Resolution	10mV
	Range	0-300Vac

^{*1:} Preconditions for voltage accury: Slow loop speed: 10-100Hz, Fast loop speed: 10-5KHz;

^{*2:} FS=full scale, Vrms 300Vac; Irms=36A; Ipk=108A; P=4500VA;

^{*3:} The minimum voltage of THD test is 10Vac (Auto mode) and 20Vac (High mode).

^{*4:} The test frequency accuracy should ensure that the minimum voltage is 35Vac.

^{*5:} Testing premise is in Fast mode.



^{*6:} The minimum voltage setting must not be less than 50Vdc/35Vac. *7: FS=full scale; Vdc=424Vdc; Idc=18A; P=2250W;

^{*8:} The maximum current range is 95% in the parallel mode.

Parameter		IT7626 V1.7		
	AC Input			
Voltage		220Vac±10%		
Phase)	1φ		
Frequen	су	47-63Hz		
Max.Curr	ent	60A		
Power Fa	ctor	0.7(Typical)		
		AC Output		
Max. output	power	3KVA		
Voltage ra	nge	High:2V-300V, Low:1V-150V, Auto:1V-150V/2V-300V		
Voltage reso	olution	10mV		
Voltage accuracy	(loop:fast)*1	±0.2%+(0.2%+0.2%×Kfreq)×FS*2		
Voltage accuracy	(loop:slow)*1	±0.3%+(0.3%+0.3%×Kfreq)×FS*2		
Temp. coeff	icient	±(0.04% per degree from 25°C)		
Max Current(rms)	1-150Vac	0-24Arms		
Max Current(IIIIs)	2-300Vac	0-12Arms		
Max Current(peak)	90-125Vac	0-72Apeak		
wax current(peak)	180-250Vac	0-36Apeak		
Total Harmonic [Dictortion*3	\leqslant 0.5% at 10-500Hz (Resistive Load)		
Total Haimonic I	Distortion	≤2% at 501-5000Hz (Resistive Load)		
Crest Fac	ctor	3(Typical)		
Line Regul	ation	≤0.1%FS(Resistive Load)		
Load Regulation		≤0.5%FS(Resistive Load)		
Dynamic Response Time		≤100us(Typical)		
Output Phase		single phase		
DC Output				
Max. output power		1.5KW		
Voltage output		±212V/±424V*6		
Voltage reso	olution	10mV		



Voltage output and readback Accuracy		±(0.2%+0.2%FS)* ⁷
Temp. coefficient		±(0.04% per degree from 25°C)
Current range		12A/6A
Current resolu	ıtion	10mA
Current readback	accuracy	±(0.3%+0.3%FS)*7
Power meter ac	curacy	±(0.4%+0.4%FS)*7
	Peak	300mVp-p
Voltage ripple	Rms	150mVrms
		Meter
	Range	0-300Vac
	Resolution	10mV
AC voltage	Accuracy	±(0.2%+0.2%FS)
	Temp. coefficient	±(0.04% per degree from 25°C)
	Range	0-24Arms
	Resolution	10mA
AC current (rms)	Accuracy	±0.3%+(0.3%+0.2%×Kfreq)×FS*2
	Temp. coefficient	±(0.04% per degree from 25°C)
	Range	0-72Apeak
10 (1)	Resolution	10mA
AC current (peak)	Accuracy	±0.3%+(0.3%+0.2%×Kfreq)×FS*2
	Temp. coefficient	±(0.04% per degree from 25°C)
	Resolution	10mW
Power	Accuracy	±0.4%+(0.4%+0.2%×Kfreq)×FS*2
	Temp. coefficient	±(0.04% per degree from 25°C)
	Range	0-360°
Phase Angle	Resolution	1°
	Accuracy	±1°(45-65Hz) ^{*5}
	Range	10Hz-5KHz
Frequency	Resolution	0.1Hz
	Accuracy	±0.1%+0.1Hz(10Hz-999.9Hz)/±0.1%+1Hz(1KHz-5KHz)*4
		Other



Protection	OPP,OCP,OTP
Interface	GPIB,USB,LAN,RS232,CAN
Memory	10groups
Dimension(WxHxD)	6u
Weight	100Kg

^{*1:} Preconditions for voltage accuracy: Slow loop speed: 10-100Hz; Fast loop speed: 10-5KHz.

^{*7:} FS=full scale: Vdc=424Vdc; Idc=12A; P=1500W.

Parame	eter	IT7627 V1.4
		AC Input
Voltag	e	380Vac±10%(Y)
Phase)	3φ
Frequer	псу	47-63Hz
Max.Curi	rent	60A
Power Fa	ictor	0.7(Typical)
		AC Output
Output Phase		1φ or 3φ
Max. output	power	9KVA
Max.output power of each phase		3KVA
Voltage range		High:2V-300V, Low:1V-150V, Auto:1V-150V/2V-300V
Voltage resolution		10mV
Voltage accuracy(loop:fast)*1		±0.2%+(0.2%+0.2%×Kfreq)×FS*2
Voltage accuracy(loop:slow)*1		±0.3%+(0.3%+0.3%×Kfreq)×FS*2
Temp. coefficient		±(0.04% per degree from 25°C)
Max.Current(1φ)	RMS	72A/36A*8
	Peak(CF=3)	216A/108A*8 (Typical)

^{*2:} FS=full scale: Vrms=300Vac, Irms=24A; Ipk=72A; P=3000VA.

^{*3:} The minimum voltage of THD test is 10Vac (Auto mode) and 20Vac (High mode).

^{*4:} The test frequency accuracy should ensure that the minimum voltage is 35Vac.

^{*5:} Testing premise is in Fast mode

^{*6:} The minimum voltage setting must not be less than 50Vdc/35Vac.



	RMS	24A/12A
Max.Current(3φ)	Peak(CF=3)	72A/36A (Typical)
Total Harmonic Distortion*3		≤0.5% at 10-500Hz (Resistive Load)
		≤2% at 501-5000Hz (Resistive Load)
Crest Fact	or	3(Typical)
Line Regula	tion	≤0.1%FS(Resistive Load)
Load Regula	ntion	≤0.5%FS(Resistive Load)
Dynamic Respon	se Time	≤200us(Typical)
		DC Output
Max. output p	ower	4.5KW
Voltage out	put	±212V/±424V*6
Voltage resol	ution	10mV
Voltage output and Accuracy		±(0.2%+0.2%FS)*7
Temp. coeffic	cient	±(0.04% per degree from 25°C)
Current ran	ge	36A/18A
Current resolu	ution	10mA
Current readback	accuracy	±(0.3%+0.3%FS)*7
Power meter accuracy		±(0.4%+0.4%FS)* ⁷
Voltago ripplo	Peak	500mVp-p
Voltage ripple	Rms	200mVrms
Meter		
	Range	0-300Vac
	Resolution	10mV
AC voltage	Accuracy	±(0.2%+0.2%FS)
	Temp. coefficient	±(0.04% per degree from 25°C)
	Range	0-72Arms
	Resolution	10mA
AC current (rms)	Accuracy	±0.3%+(0.3%+0.2%×Kfreq)×FS*2
	Temp. coefficient	±(0.04% per degree from 25°C)
AC current (peak)	Range	0-216Apeak
AC current (peak)	Resolution	10mA



	Accuracy	±0.3%+(0.3%+0.2%×Kfreq)×FS*2	
	Temp. coefficient	±(0.04% per degree from 25°C)	
	Resolution	10mW	
Power	Accuracy	±0.4%+(0.4%+0.2%×Kfreq)×FS*2	
	Temp. coefficient	±(0.04% per degree from 25°C)	
	Range	0-360°	
Phase Angle	Resolution	1°	
	Accuracy	±1°(45-65Hz) *5	
	Range	10Hz-5KHz	
Frequency	Resolution	0.1Hz	
	Accuracy	±0.1%+0.1Hz(10Hz-999.9Hz)/±0.1%+1Hz(1KHz-5KHz)*4	
	Other		
Protection	OPP,OCP,OTP		
Interface	GPIB,USB,LAN,RS232,CAN		
Memory	10 groups		
Dimension(WxHxD)	27u		

^{*1:} Preconditions for voltage accuracy: Slow loop speed: 10-100Hz; Fast loop speed: 10-5KHz.

Meet CF=3, the voltage in low range is 90 to 125 Vac and in high range is 180 to 250 Vac.

Parameter	IT7628 V1.5
	AC Input
Voltage	380Vac±10%(Y)
Phase	3φ
Frequency	47-63Hz
Max.Current	120A

^{*2:} FS=full scale: Vrms=300Vac,Irms=72A; Ipk=216A;P=9000VA;

^{*3:} The minimum voltage of THD test is 10Vac(Auto mode) and 20Vac(High mode).

^{*4:} The test frequency accuracy should ensure that the minimum voltage is 35Vac.

^{*5:} Testing premise is in Fast mode

^{*6:} The minimum voltage setting must not be less than 50Vdc/35Vac.

^{*7:} FS=full scale: Vdc=424Vdc; Idc=36A;P=4500W;

^{*8:} The maximum current range is 95% in the parallel mode.



Power Factor		0.7(Typical)
		AC Output
Output Ph	ase	1φ or 3φ
Max. output	power	18KVA
Max.output power o	f each phase	6KVA
Voltage ra	nge	High:2V-300V, Low:1V-150V, Auto:1V-150V/2V-300V
Voltage reso	olution	10mV
Voltage accuracy((loop:fast)*1	±0.2%+(0.2%+0.2%×Kfreq)×FS*2
Voltage accuracy(loop:slow)*1	±0.3%+(0.3%+0.3%×Kfreq)×FS*2
Temp. coeff	icient	±(0.04% per degree from 25°C)
May Current(10)	RMS	144A/72A ^{*8}
Max.Current(1φ)	Peak(CF=3)	432A/216A ^{*8} (Typical)
May Current(20)	RMS	48A/24A
Max.Current(3φ)	Peak(CF=3)	144A/72A(Typical)
Total Harmania F	Diotortion*3	≤0.5% at 10-500Hz (Resistive Load)
Total Harmonic D	Distortion •	≤2% at 501-5000Hz (Resistive Load)
Crest Factor		3(Typical)
Line Regulation		≤0.1%FS(Resistive Load)
Load Regulation		≤0.5%FS(Resistive Load)
Dynamic Respo	nse Time	≤200us(Typical)
		DC Output
Max. output	power	9KW
Voltage ou	ıtput	±212V/±424V ^{*6}
Voltage reso	lution	10mV
Voltage output and readback Accuracy		±(0.2%+0.2%FS)*7
Temp. coefficient		±(0.04% per degree from 25°C)
Current range		72A/36A
Current resolution		10mA
Current readback accuracy		±(0.3%+0.3%FS)*7
Power meter accuracy		±(0.4%+0.4%FS)*7
Valta ac simula	Peak	600mVp-p
Voltage ripple	Rms	300mVrms



Meter		
	Range	0-300Vac
	Resolution	10mV
AC voltage	Accuracy	±(0.2%+0.2%FS)
	Temp. coefficient	±(0.04% per degree from 25°C)
	Range	0-144Arms
	Resolution	10mA
AC current (rms)	Accuracy	±0.3%+(0.3%+0.3%×Kfreq)×FS*2
	Temp. coefficient	±(0.04% per degree from 25°C)
	Range	0-432Apeak
A Q (1)	Resolution	10mA
AC current (peak)	Accuracy	±0.3%+(0.3%+0.3%×Kfreq)×FS*2
	Temp. coefficient	±(0.04% per degree from 25°C)
	Resolution	10mW
Power	Accuracy	±0.4%+(0.4%+0.4%×Kfreq)×FS ^{*2}
	Temp. coefficient	±(0.04% per degree from 25°C)
	Range	0-360°
Phase Angle	Resolution	1°
	Accuracy	±1°(45-65Hz) *5
	Range	10Hz-5KHz
Frequency	Resolution	0.1Hz
	Accuracy	±0.1%+0.1Hz(10Hz-999.9Hz)/±0.1%+1Hz(1KHz-5KHz)*4
Other		
Protection	OPP,OCP,OTP	
Interface	GPIB,USB,LAN,RS232,CAN	
Dimension(WxHxD)	37u	
Weight	750Kg	

^{*1:} Meet the voltage accuracy requirements: Slow loop speed: 10-100Hz; Fast loop speed: 10-5KHz.

^{*2:} FS corresponds to the full range: Vrms=300Vac;Irms=144A; Ipk=432A;P=18KVA;

^{*3:} The minimum voltage of THD test is 10Vac (Auto mode) and 20Vac (High mode).



- *4: The test frequency accuracy should ensure that the minimum voltage is 35Vac.
- *5: The test mode is Fast.
- *6: The minimum voltage setting must not be less than 50Vdc/35Vac.
- *7: FS corresponds to the full range: Vdc=424Vdc;Idc=72A;P=9000W;
- *8: The maximum current range is 95% in the parallel mode.

Meet CF=3, the voltage in low range is 90 to 125 Vac and in high range is 180 to 250 Vac.

Para	meter	IT7628L Ver V1.5
		AC Input
Voltage		380Vac±10%(Y)
Pł	nase	3 ф
Fred	quency	47-63Hz
Max.	Current	90A
Powe	r Factor	0.7(Typical)
		AC Output
Output	Phase	1 φ or 3 φ
Max. outp	out power	13.5KVA
	ower of each	4.5KVA
•	e range	High:2V-300V, Low:1V-150V, Auto:1V-150V/2V-300V
Voltage r	esolution	10mV
Voltage accura	acy (loop:fast)*1	$\pm 0.2\%$ +(0.2%+0.2%×Kfreq)×FS *2
Voltage accura	cy (loop:slow)*1	\pm 0.3%+(0.3%+0.3% \times Kfreq) \times FS *2
Temp. co	efficient	\pm (0.04% per degree from 25°C)
Max.Current(1	RMS	108A/54A*8
Φ)	Peak(CF=3)	324A/2162A ^{*8} (Typical)
Max.Current(3	RMS	36A/18A
Ф)	Peak(CF=3)	108A/54A(Typical)
Total Harmon	ic Dictortion *3	≤0.5% at 10-500Hz (Resistive Load)
Total Haimon	IC DISTORTION	≤2% at 501-5000Hz (Resistive Load)
Crest Factor		3(Typical)
Line Regulation		≤0.1%FS(Resistive Load)
Load Regulation		≤0.5%FS(Resistive Load)
Dynamic Response Time		≤200us(Typical)
		DC Output



Parameter		IT7628L Ver V1.5
Max. output power		6.75KW
Voltage output		±212V/±424V*6
Voltage re	solution	10mV
Voltage output ar		±(0.2%+0.2%FS)* ⁷
Accur Temp. coe	j	\pm (0.04% per degree from 25 $^{\circ}$ C)
Current		54A/27A
Current re		10mA
Current readba		±(0.3%+0.3%FS)* ⁷
Power meter	-	± (0.4%+0.4%FS)* ⁷
1 ower moter	Peak	600mVp-p
Voltage ripple	Rms	300mVrms
	Tano	
	T	Meter
	Range	0-300Vac
AC voltage	Resolution	10mV
	Accuracy	±(0.2%+0.2%FS)
	Temp. coefficient	\pm (0.04% per degree from 25°C)
	Range	0-108Arms
AC current	Resolution	10mA
(rms)	Accuracy	$\pm 0.3\%$ +(0.3%+0.3%×Kfreq)×FS*2
	Temp. coefficient	\pm (0.04% per degree from 25°C)
	Range	0-324Apeak
AC current	Resolution	10mA
(peak)	Accuracy	$\pm 0.3\%$ +(0.3%+0.3%×Kfreq)×FS*2
	Temp. coefficient	\pm (0.04% per degree from 25°C)
	Resolution	10mW
Power	Accuracy	$\pm 0.4\%$ +(0.4%+0.4%×Kfreq)×FS ^{*2}
	Temp. coefficient	\pm (0.04% per degree from 25°C)
	Range	0-360°
Phase Angle	Resolution	1°
	Accuracy	±1° (45-65Hz)*5
Frequency	Range	10Hz-5KHz



Parameter		IT7628L Ver V1.5
	Resolution	0.1Hz
	Accuracy	±0.1%+0.1Hz(10Hz-999.9Hz)/±0.1%+1Hz(1KHz-5KHz)*4
Other		
Protection		OPP、OCP、OTP
Interface		GPIB、USB、LAN、RS232、CAN
Dimension (WxHxD)		37u
Weight		770Kg

^{*1:} Meet the voltage accuracy requirements: Slow loop speed: 15-100Hz; Fast loop speed: 15-5KHz.

Meet CF=3, the voltage in low range is 90 to 125 Vac and in high range is 180 to 250 Vac.

Parameter	IT7630 V1.1
	AC Input
Voltage	380Vac±10%(Y)
Phase	3φ
Frequency	47-63Hz
Max.Current	60A×3 ^{*9}
Power Factor	0.7(Typical)
	AC Output
Output Phase	3φ
Max. output power	27KVA
Max.output power of each phase	9KVA
Voltage range	High:2V-300V, Low:1V-150V, Auto:1V-150V/2V-300V

^{*2:} FS corresponds to the full range: Vrms=300Vac; Irms=36A; Ipk=108A;P=13.5KVA;

^{*3:} The minimum voltage of THD test is 10Vac (Auto mode) and 20Vac (High mode).

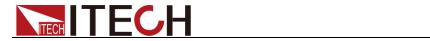
^{*4:} The test frequency accuracy should ensure that the minimum voltage is 35Vac.

^{*5:} The test mode is Fast.

^{*6:} The minimum voltage setting must not be less than 50Vdc/35Vac.

^{*7:} FS corresponds to the full range: Vdc=424Vdc;Idc=54A;P=6750W;

^{*8:} The maximum current range is 95% in the parallel mode.



Voltage resolution		10mV
Voltage accuracy(loop:fast)*1		±0.2%+(0.2%+0.2%×Kfreq)×FS*2
Voltage accuracy(loop:slow)*1		±0.3%+(0.3%+0.3%×Kfreq)×FS*2
Temp. coeffic	cient	±(0.04% per degree from 25°C)
Mary O	RMS	72A/36A
Max.Current(3φ)	Peak(CF=3)	216A/108A
Total Harmonic Di	iotortion*3	≤0.5% at 10-500Hz (Resistive Load)
Total Haimonic Di	ISTOLITOLI	≤2% at 501-5000Hz (Resistive Load)
Crest Fact	or	3
Line Regula	tion	≤0.1%FS(Resistive Load)
Load Regula	ition	≤0.5%FS(Resistive Load)
Dynamic Respon	ise Time	≤200us(Typical)
		Meter
	Range	0-300Vac
	Resolution	10mV
AC voltage	Accuracy	±(0.2%+0.2%FS)
	Temp. coefficient	±(0.04% per degree from 25°C)
	Range	0-72Arms
	Resolution	10mA
AC current (rms)	Accuracy	±0.3%+(0.3%+0.2%×Kfreq)×FS*2
	Temp. coefficient	±(0.04% per degree from 25°C)
	Range	0-216Apeak
	Resolution	10mA
AC current (peak)	Accuracy	±0.3%+(0.3%+0.2%×Kfreq)×FS*2
	Temp. coefficient	±(0.04% per degree from 25°C)
	Resolution	10mW
Power	Accuracy	±0.4%+(0.4%+0.2%×Kfreq)×FS*2
	Temp. coefficient	±(0.04% per degree from 25°C)
	Range	0-360°
Phase Angle	Resolution	1°
	Accuracy	±3°(45-65Hz) *5



Frequency	Range	10Hz-5KHz
	Resolution	0.1Hz
	Accuracy	±0.1%+0.1Hz(10Hz-999.9Hz)/±0.1%+1Hz(1KHz-5KHz)*4
Other		
Protection	OPP,OCP,OTP	
Interface	GPIB,USB,LAN,RS232,CAN	
Dimension(WxHxD)	27u×3	

^{*1:} Meet the voltage accuracy requirements: Slow loop speed: 10-100Hz; Fast loop speed: 10-5KHz.

^{*9:} Three power supplies with 18KVA, max. 3φ input current of each power supply is 60A.

Parameter	IT7632 V1.1	
AC Input		
Voltage	380Vac±10%(Y)	
Phase	3φ	
Frequency	47-63Hz	
Max.Current	120A×3 ^{*9}	
Power Factor	0.7(Typical)	
AC Output		
Output Phase	3φ	
Max. output power	36KVA	
Max.output power of each phase	12KVA	
Voltage range	High:2V-300V, Low:1V-150V, Auto:1V-150V/2V-300V	
Voltage resolution	10mV	
Voltage accuracy(loop:fast)*1	±0.2%+(0.2%+0.2%×Kfreq)×FS*2	

^{*2:} FS corresponds to the full range: Vrms=300Vac; Irms=72A; Ipk=216A; P=27KVA;

^{*3:} The minimum voltage of THD test is 10Vac (Auto mode) and 20Vac (High mode).

^{*4:} The test frequency accuracy should ensure that the minimum voltage is 35Vac.

^{*5:} The test mode is Fast.

^{*6:} The minimum voltage setting must not be less than 50Vdc/35Vac.

^{*8:} The maximum current range is 95% in the parallel mode.



Voltage accuracy(loop:slow)*1		±0.3%+(0.3%+0.3%×Kfreq)×FS*2
Temp. coefficient		±(0.04% per degree from 25°C)
Max.Current(3φ)	RMS	96A/48A
	Peak(CF=3)	288A/144A
Total Harmonic Distortion*3		≤0.5% at 10-500Hz (Resistive Load)
		≤2% at 501-5000Hz (Resistive Load)
Crest Fac	ctor	3
Line Regul	ation	≤0.1%FS(Resistive Load)
Load Regul	ation	≤0.5%FS(Resistive Load)
Dynamic Respo	nse Time	≤200us(Typical)
	-	Meter
	Range	0-300Vac
_	Resolution	10mV
AC voltage	Accuracy	±(0.2%+0.2%FS)
	Temp. coefficient	±(0.04% per degree from 25°C)
	Range	0-96Arms
	Resolution	10mA
AC current (rms)	Accuracy	±0.3%+(0.3%+0.2%×Kfreq)×FS*2
	Temp. coefficient	±(0.04% per degree from 25°C)
	Range	0-288Apeak
	Resolution	10mA
AC current (peak)	Accuracy	±0.3%+(0.3%+0.2%×Kfreq)×FS*2
	Temp. coefficient	±(0.04% per degree from 25°C)
	Resolution	10mW
Power	Accuracy	±0.4%+(0.4%+0.2%×Kfreq)×FS*2
	Temp. coefficient	±(0.04% per degree from 25°C)
Phase Angle	Range	0-360°
	Resolution	1°
	Accuracy	±3°(45-65Hz)* ⁵
	Range	10Hz-5KHz
Frequency	Resolution	0.1Hz
		1



	Accuracy	±0.1%+0.1Hz(10Hz-999.9Hz)/±0.1%+1Hz(1KHz-5KHz)*4
Other		
Protection	OPP,OCP,OTP	
Interface	GPIB,USB,LAN,RS232,CAN	
Dimension(WxHxD)	27u×3	

^{*1:} Meet the voltage accuracy requirements: Slow loop speed: 10-100Hz; Fast loop speed: 10-5KHz.

Parameter	IT7634 V1.1	
AC Input		
Voltage	380Vac±10%(Y)	
Phase	3φ	
Frequency	47-63Hz	
Max.Current	120A×3 ^{*9}	
Power Factor	0.7(Typical)	
AC Output		
Output Phase	3φ	
Max. output power	45KVA	
Max.output power of each phase	15KVA	
Voltage range	High:2V-300V, Low:1V-150V, Auto:1V-150V/2V-300V	
Voltage resolution	10mV	
Voltage accuracy(loop:fast)*1	±0.2%+(0.2%+0.2%×Kfreq)×FS*2	

^{*2:} FS corresponds to the full range: Vrms=300Vac; Irms=96A; Ipk=288A; P=36KVA;

^{*3:} The minimum voltage of THD test is 10Vac (Auto mode) and 20Vac (High mode).

^{*4:} The test frequency accuracy should ensure that the minimum voltage is 35Vac.

^{*5:} The test mode is Fast.

^{*6:} The minimum voltage setting must not be less than 50Vdc/35Vac.

^{*8:} The maximum current range is 95% in the parallel mode.

^{*9:} Three power supplies with 12KVA, max. 3φ input current of each power supply is 120A.



Voltage accuracy(loop:slow)*1		±0.3%+(0.3%+0.3%×Kfreq)×FS*2
Temp. coefficient		±(0.04% per degree from 25°C)
Max.Current(3φ)	RMS	120A/60A
	Peak(CF=3)	360A/180A
Total Harmonic Distortion*3		≤0.5% at 10-500Hz (Resistive Load)
		≤2% at 501-5000Hz (Resistive Load)
Crest Fac	ctor	3
Line Regul	ation	≤0.1%FS(Resistive Load)
Load Regul	ation	≤0.5%FS(Resistive Load)
Dynamic Respo	nse Time	≤200us(Typical)
		Meter
	Range	0-300Vac
	Resolution	10mV
AC voltage	Accuracy	±(0.2%+0.2%FS)
	Temp. coefficient	±(0.04% per degree from 25°C)
	Range	0-120Arms
	Resolution	10mA
AC current (rms)	Accuracy	±0.3%+(0.3%+0.2%×Kfreq)×FS*2
	Temp. coefficient	±(0.04% per degree from 25°C)
	Range	0-360Apeak
	Resolution	10mA
AC current (peak)	Accuracy	±0.3%+(0.3%+0.2%×Kfreq)×FS*2
	Temp. coefficient	±(0.04% per degree from 25°C)
	Resolution	10mW
Power	Accuracy	±0.4%+(0.4%+0.2%×Kfreq)×FS*2
	Temp. coefficient	±(0.04% per degree from 25°C)
Phase Angle	Range	0-360°
	Resolution	1°
	Accuracy	±3°(45-65Hz) *5
Frequency	Range	10Hz-5KHz
	Resolution	0.1Hz



	Accuracy	±0.1%+0.1Hz(10Hz-999.9Hz)/±0.1%+1Hz(1KHz-5KHz)*4
Other		
Protection	OPP,OCP,OTP	
Interface	GPIB,USB,LAN,RS232,CAN	
Dimension(WxHxD)	37u×3	

^{*1:} Meet the voltage accuracy requirements: Slow loop speed: 10-100Hz; Fast loop speed: 10-5KHz.

Parameter	IT7636 V1.1	
AC Input		
Voltage	380Vac±10%(Y)	
Phase	3φ	
Frequency	47-63Hz	
Max.Current	120A×3 ^{*9}	
Power Factor	0.7(Typical)	
AC Output		
Output Phase	3φ	
Max. output power	54KVA	
Max.output power of each phase	18KVA	
Voltage range	High:2V-300V, Low:1V-150V, Auto:1V-150V/2V-300V	
Voltage resolution	10mV	
Voltage accuracy(loop:fast)*1	±0.2%+(0.2%+0.2%×Kfreq)×FS*2	

^{*2:} FS corresponds to the full range: Vrms=300Vac; Irms=120A; Ipk=360A; P=45KVA;

^{*3:} The minimum voltage of THD test is 10Vac (Auto mode) and 20Vac (High mode).

^{*4:} The test frequency accuracy should ensure that the minimum voltage is 35Vac.

^{*5:} The test mode is Fast.

^{*6:} The minimum voltage setting must not be less than 50Vdc/35Vac.

^{*8:} The maximum current range is 95% in the parallel mode.

^{*9:} Three power supplies with 18KVA, max. 3φ input current of each power supply is 120A.



Voltage accuracy(loop:slow)*1		±0.3%+(0.3%+0.3%×Kfreq)×FS*2
Temp. coefficient		±(0.04% per degree from 25°C)
Max.Current(3φ)	RMS	144A/72A
	Peak(CF=3)	432A/216A
		≤0.5% at 10-500Hz (Resistive Load)
Total Harmonic D	Distortion 3	≤2% at 501-5000Hz (Resistive Load)
Crest Fac	tor	3
Line Regula	ation	≤0.1%FS(Resistive Load)
Load Regul	ation	≤0.5%FS(Resistive Load)
Dynamic Respo	nse Time	≤200us(Typical)
	-	Meter
	Range	0-300Vac
	Resolution	10mV
AC voltage	Accuracy	±(0.2%+0.2%FS)
	Temp. coefficient	±(0.04% per degree from 25°C)
	Range	0-144Arms
	Resolution	10mA
AC current (rms)	Accuracy	±0.3%+(0.3%+0.2%×Kfreq)×FS*2
	Temp. coefficient	±(0.04% per degree from 25°C)
	Range	0-432Apeak
10 1/	Resolution	10mA
AC current (peak)	Accuracy	±0.3%+(0.3%+0.2%×Kfreq)×FS*2
	Temp. coefficient	±(0.04% per degree from 25°C)
	Resolution	10mW
Power	Accuracy	±0.4%+(0.4%+0.2%×Kfreq)×FS*2
	Temp. coefficient	±(0.04% per degree from 25°C)
Phase Angle	Range	0-360°
	Resolution	1°
	Accuracy	±3°(45-65Hz) *5
Frequency	Range	10Hz-5KHz
	Resolution	0.1Hz



	Accuracy	±0.1%+0.1Hz(10Hz-999.9Hz)/±0.1%+1Hz(1KHz-5KHz)*4
Other		
Protection	OPP,OCP,OTP	
Interface	GPIB,USB,LAN,RS232,CAN	
Dimension(WxHxD)	37u×3	

^{*1:} Meet the voltage accuracy requirements: Slow loop speed: 10-100Hz; Fast loop speed: 10-5KHz.

9.2 Supplemental characteristics

State storage capacity: 10sets

Recommended calibration frequency: once a year

Cooling style: fans

^{*2:} FS corresponds to the full range: Vrms=300Vac; Irms=144A; Ipk=432A; P=54KVA;

^{*3:} The minimum voltage of THD test is 10Vac (Auto mode) and 20Vac (High mode).

^{*4:} The test frequency accuracy should ensure that the minimum voltage is 35Vac.

^{*5:} The test mode is Fast.

^{*6:} The minimum voltage setting must not be less than 50Vdc/35Vac.

^{*8:} The maximum current range is 95% in the parallel mode.

^{*9:} Three power supplies with 18KVA, max. 3φ input current of each power supply is 120A.