

## IT7600 Series AC/DC power supply

Parameter		IT7622	V1.4
<b>AC Input</b>			
Voltage		220Vac±10% or 110Vac±10%	
Phase		1φ	
Frequency		47-63Hz	
Max.Current		20A/40A	
Power Factor		0.7(Typical)	
<b>AC Output</b>			
Max. output power		750VA	
Voltage range		High:2V-300V, Low:1V-150V, Auto:1V-150V/2V-300V	
Voltage resolution		10mV	
Voltage accuracy(loop:fast) <sup>*1</sup>		±0.2%+(0.2%+0.2%×Kfreq)×FS <sup>*2</sup>	
Voltage accuracy(loop:slow) <sup>*1</sup>		±0.3%+(0.3%+0.3%×Kfreq)×FS <sup>*2</sup>	
Temp. coefficient		±(0.04% per degree from 25°C)	
Max Current(rms)	1-150Vac	0-6Arms	
	2-300Vac	0-3Arms	
Max Current(peak)	90-125Vac	0-18Apeak	
	180-250Vac	0-9Apeak	
Total Harmonic Distortion <sup>*3</sup>		≤0.5% at 10-500Hz (Resistive Load)	
		≤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		≤100us(Typical)	
Output Phase		single phase	
<b>DC Output</b>			
Max. output power		375W	
Voltage output		±212V/±424V <sup>*6</sup>	
Voltage resolution		10mV	
Voltage output and readback Accuracy		±(0.2%+0.2%FS) <sup>*7</sup>	

Temp. coefficient		$\pm(0.04\%$ per degree from 25°C)
Current range		3A/1.5A
Current resolution		10mA
Current readback accuracy		$\pm(0.3\%+0.3\%FS)^{*7}$
Power meter accuracy		$\pm(0.4\%+0.4\%FS)^{*7}$
Voltage ripple	Peak	300mVp-p
	Rms	150mVrms
<b>Meter</b>		
AC voltage	Range	0-300Vac
	Resolution	10mV
	Accuracy	$\pm(0.2\%+0.2\%FS)$
	Temp. coefficient	$\pm(0.04\%$ per degree from 25°C)
AC current (rms)	Range	0-6Arms
	Resolution	10mA
	Accuracy	$\pm 0.3\%+(0.3\%+0.2\% \times Kfreq) \times FS^{*2}$
	Temp. coefficient	$\pm(0.04\%$ per degree from 25°C)
AC current (peak)	Range	0-18Apeak
	Resolution	10mA
	Accuracy	$\pm 0.3\%+(0.3\%+0.2\% \times Kfreq) \times FS^{*2}$
	Temp. coefficient	$\pm(0.04\%$ per degree from 25°C)
Power	Resolution	10mW
	Accuracy	$\pm 0.4\%+(0.4\%+0.3\% \times Kfreq) \times FS^{*2}$
	Temp. coefficient	$\pm(0.04\%$ per degree from 25°C)
Phase Angle	Range	0-360°
	Resolution	1°
	Accuracy	$\pm 1^\circ(45-65Hz)^{*5}$
Frequency	Range	10Hz-5KHz
	Resolution	0.1Hz
	Accuracy	$\pm 0.1\%+0.1Hz(45Hz-999.9Hz)/\pm 0.1\%+1Hz(1KHz-5KHz)^{*4}$
<b>Other</b>		
<b>Protection</b>	OPP,OCP,OTP	

<b>Interface</b>	GPIB,USB,LAN,RS232,CAN
<b>Dimension (WxHxD)</b>	3u
<b>Weight</b>	45Kg

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

\*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).

The maximum distortion test is carried out by outputting the maximum current to linear load under 125Vac (Auto mode) and 250Vac (300V mode).

\*4: The test frequency accuracy should ensure that the minimum voltage is 30Vac.

\*5: Testing premise is in Fast mode

\*6: The minimum voltage setting must not be less than 50Vdc.

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

Parameter		IT7624	V1.4
<b>AC Input</b>			
Voltage		220Vac±10% or 110Vac±10%	
Phase		1φ	
Frequency		47-63Hz	
Max.Current		30A/60A	
Power Factor		0.7(Typical)	
<b>AC Output</b>			
Max. output power		1.5KVA	
Voltage range		High:2V-300V, Low:1V-150V, Auto:1V-150V/2V-300V	
Voltage resolution		10mV	
Voltage accuracy(loop:fast) <sup>*1</sup>		$\pm 0.2\% + (0.2\% + 0.2\% \times Kfreq) \times FS^{*2}$	
Voltage accuracy(loop:slow) <sup>*1</sup>		$\pm 0.3\% + (0.3\% + 0.3\% \times Kfreq) \times FS^{*2}$	
Temp. coefficient		$\pm(0.04\%$ per degree from 25°C)	
Max Current(rms)	1-150Vac	0-12Arms	
	2-300Vac	0-6Arms	
Max Current(peak)	90-125Vac	0-36Apeak	
	180-250Vac	0-18Apeak	
Total Harmonic Distortion <sup>*3</sup>		$\leq 0.5\%$ at 10-500Hz (Resistive Load)	
		$\leq 2\%$ at 501-5000Hz (Resistive Load)	
Crest Factor		3(Typical)	
Line Regulation		$\leq 0.1\%$ FS(Resistive Load)	
Load Regulation		$\leq 0.5\%$ FS(Resistive Load)	
Dynamic Response Time		$\leq 100\mu s$ (Typical)	
Output Phase		single phase	
<b>DC Output</b>			
Max. output power		750W	
Voltage output		$\pm 212V/\pm 424V^{*6}$	
Voltage resolution		10mV	
Voltage output and readback Accuracy		$\pm(0.2\% + 0.2\%FS)^{*7}$	
Temp. coefficient		$\pm(0.04\%$ per degree from 25°C)	
Current range		6A/3A	

Current resolution		10mA
Current readback accuracy		$\pm(0.3\%+0.3\%FS)^{*7}$
Power meter accuracy		$\pm(0.4\%+0.4\%FS)^{*7}$
Voltage ripple	Peak	300mVp-p
	Rms	150mVrms
<b>Meter</b>		
AC voltage	Range	0-300Vac
	Resolution	10mV
	Accuracy	$\pm(0.2\%+0.2\%FS)$
	Temp. coefficient	$\pm(0.04\%$ per degree from 25°C)
AC current (rms)	Range	0-12Arms
	Resolution	10mA
	Accuracy	$\pm0.3\%+(0.3\%+0.2\% \times Kfreq) \times FS^{*2}$
	Temp. coefficient	$\pm(0.04\%$ per degree from 25°C)
AC current (peak)	Range	0-36Apeak
	Resolution	10mA
	Accuracy	$\pm0.3\%+(0.3\%+0.2\% \times Kfreq) \times FS^{*2}$
	Temp. coefficient	$\pm(0.04\%$ per degree from 25°C)
Power	Resolution	10mW
	Accuracy	$\pm0.4\%+(0.4\%+0.2\% \times Kfreq) \times FS^{*2}$
	Temp. coefficient	$\pm(0.04\%$ per degree from 25°C)
Phase Angle	Range	0-360°
	Resolution	1°
	Accuracy	$\pm1^{\circ}(45-65Hz)^{*5}$
Frequency	Range	10Hz-5KHz
	Resolution	0.1Hz
	Accuracy	$\pm0.1\%+0.1Hz(45Hz-999.9Hz)/\pm0.1\%+1Hz(1KHz-5KHz)^{*4}$
<b>Other</b>		
Protection	OPP,OCP,OTP	
Interface	GPIB,USB,LAN,RS232,CAN	
Dimension (WxHxD)	3u	

<b>Weight</b>	50Kg
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\*1: Precondition for voltage accuracy: Slow loop speed: 10-100Hz; Fast loop speed: 10-5KHz.

\*2: FS= Full Scale:  $V_{rms}=300Vac$ ,  $I_{rms}=12A$ ;  $I_{pk}=36A$ ;  $P=1500VA$ .

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

The maximum distortion test is carried out by outputting the maximum current to linear load under 125Vac (Auto mode) and 250Vac (300V mode).

\*4: The test frequency accuracy should ensure that the minimum voltage is 30Vac.

\*5: Testing premise is in Fast mode

\*6: The minimum voltage setting must not be less than 50Vdc.

\*7: FS=full:  $V_{dc}=424Vdc$ ;  $I_{dc}=6A$ ;  $P=750W$ .

Parameter		IT7625	V1.1
<b>AC Input</b>			
Voltage	380Vac±10%(Y)		
Phase	3φ		
Frequency	47-63Hz		
Max.Current	30A		
Power Factor	0.7(Typical)		
<b>AC Output</b>			
Output Phase	1φ or 3φ		
Max. output power	4.5KVA		
Max. output power of each phase	1.5KVA		
Voltage range	High:2V-300V, Low:1V-150V, Auto:1V-150V/2V-300V		
Voltage resolution	10mV		
Voltage accuracy(loop:fast) <sup>*1</sup>	±0.2%+(0.2%+0.2%×Kfreq)×FS <sup>*2</sup>		
Voltage accuracy(loop:slow) <sup>*1</sup>	±0.3%+(0.3%+0.3%×Kfreq)×FS <sup>*2</sup>		
Temp. coefficient	±(0.04% per degree from 25℃)		
Max.Current(1φ)	RMS	36A/18A <sup>*8</sup>	
	Peak(CF=3)	108A/54A <sup>*8</sup>	
Max.Current(3φ)	RMS	12A/6A	
	Peak(CF=3)	36A/18A	
Total Harmonic Distortion <sup>*3</sup>	≤0.5% at 10-500Hz (Resistive Load)		
	≤2% at 501-5000Hz (Resistive Load)		
Crest Factor	3		
Line Regulation	≤0.1%FS(Resistive Load)		
Load Regulation	≤0.5%FS(Resistive Load)		
Dynamic Response Time	≤200us(Typical)		
<b>DC Output</b>			
Max. output power	2.25KW		
Voltage output	±212V/±424V <sup>*6</sup>		
Voltage resolution	10mV		
Voltage output and readback Accuracy	±(0.2%+0.2%FS) <sup>*7</sup>		
Temp. coefficient	±(0.04% per degree from 25℃)		

Current range		18A/9A
Current resolution		10mA
Current readback accuracy		$\pm(0.3\%+0.3\%FS)^{*7}$
Power meter accuracy		$\pm(0.4\%+0.4\%FS)^{*7}$
Voltage ripple	Peak	500mVp-p
	Rms	200mVrms
<b>Meter</b>		
AC voltage	Range	0-300Vac
	Resolution	10mV
	Accuracy	$\pm(0.2\%+0.2\%FS)$
	Temp. coefficient	$\pm(0.04\%$ per degree from 25°C)
AC current (rms)	Range	0-36Arms
	Resolution	10mA
	Accuracy	$\pm 0.3\%+(0.3\%+0.2\% \times Kfreq) \times FS^{*2}$
	Temp. coefficient	$\pm(0.04\%$ per degree from 25°C)
AC current (peak)	Range	0-108Apeak
	Resolution	10mA
	Accuracy	$\pm 0.3\%+(0.3\%+0.2\% \times Kfreq) \times FS^{*2}$
	Temp. coefficient	$\pm(0.04\%$ per degree from 25°C)
Power	Resolution	10mW
	Accuracy	$\pm 0.4\%+(0.4\%+0.2\% \times Kfreq) \times FS^{*2}$
	Temp. coefficient	$\pm(0.04\%$ per degree from 25°C)
Phase Angle	Range	0-360°
	Resolution	1°
	Accuracy	$\pm 1^\circ(45-65Hz)^{*5}$
Frequency	Range	10Hz-5KHz
	Resolution	0.1Hz
	Accuracy	$\pm 0.1\%+0.1Hz(10Hz-999.9Hz)/\pm 0.1\%+1Hz(1KHz-5KHz)^{*4}$
<b>Other</b>		
Protection	OPP,OCP,OTP	
Interface	GPIB,USB,LAN,RS232,CAN	



<b>Memory</b>	10 groups
<b>Dimension(WxHxD)</b>	15u

\*1: Preconditions for voltage accuracy: 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).

The maximum distortion test is carried out by outputting the maximum current to linear load under 125Vac (Auto mode) and 250Vac (300V mode).

\*4: The test frequency accuracy should ensure that the minimum voltage is 30Vac.

\*5: Testing premise is in Fast mode.

\*6: The minimum voltage setting must not be less than 50Vdc.

\*7: FS=full scale; Vdc=424Vdc; Idc=18A; P=2250W;

\*8: The maximum current range is 90% in the parallel mode.

Parameter		IT7626	V1.7
<b>AC Input</b>			
Voltage		220Vac±10%	
Phase		1φ	
Frequency		47-63Hz	
Max.Current		60A	
Power Factor		0.7(Typical)	
<b>AC Output</b>			
Max. output power		3KVA	
Voltage range		High:2V-300V, Low:1V-150V, Auto:1V-150V/2V-300V	
Voltage resolution		10mV	
Voltage accuracy (loop:fast) <sup>*1</sup>		$\pm 0.2\% + (0.2\% + 0.2\% \times Kfreq) \times FS^{*2}$	
Voltage accuracy (loop:slow) <sup>*1</sup>		$\pm 0.3\% + (0.3\% + 0.3\% \times Kfreq) \times FS^{*2}$	
Temp. coefficient		$\pm(0.04\%$ per degree from 25°C)	
Max Current(rms)	1-150Vac	0-24Arms	
	2-300Vac	0-12Arms	
Max Current(peak)	90-125Vac	0-72Apeak	
	180-250Vac	0-36Apeak	
Total Harmonic Distortion <sup>*3</sup>		$\leq 0.5\%$ at 10-500Hz (Resistive Load)	
		$\leq 2\%$ at 501-5000Hz (Resistive Load)	
Crest Factor		3(Typical)	
Line Regulation		$\leq 0.1\%$ FS(Resistive Load)	
Load Regulation		$\leq 0.5\%$ FS(Resistive Load)	
Dynamic Response Time		$\leq 100\mu s$ (Typical)	
Output Phase		single phase	
<b>DC Output</b>			
Max. output power		1.5KW	
Voltage output		$\pm 212V/\pm 424V^{*6}$	
Voltage resolution		10mV	
Voltage output and readback Accuracy		$\pm(0.2\% + 0.2\%FS)^{*7}$	
Temp. coefficient		$\pm(0.04\%$ per degree from 25°C)	
Current range		12A/6A	

Current resolution		10mA
Current readback accuracy		$\pm(0.3\%+0.3\%FS)^{*7}$
Power meter accuracy		$\pm(0.4\%+0.4\%FS)^{*7}$
Voltage ripple	Peak	300mVp-p
	Rms	150mVrms
<b>Meter</b>		
AC voltage	Range	0-300Vac
	Resolution	10mV
	Accuracy	$\pm(0.2\%+0.2\%FS)$
	Temp. coefficient	$\pm(0.04\%$ per degree from 25°C)
AC current (rms)	Range	0-24Arms
	Resolution	10mA
	Accuracy	$\pm0.3\%+(0.3\%+0.2\% \times Kfreq) \times FS^{*2}$
	Temp. coefficient	$\pm(0.04\%$ per degree from 25°C)
AC current (peak)	Range	0-72Apeak
	Resolution	10mA
	Accuracy	$\pm0.3\%+(0.3\%+0.2\% \times Kfreq) \times FS^{*2}$
	Temp. coefficient	$\pm(0.04\%$ per degree from 25°C)
Power	Resolution	10mW
	Accuracy	$\pm0.4\%+(0.4\%+0.2\% \times Kfreq) \times FS^{*2}$
	Temp. coefficient	$\pm(0.04\%$ per degree from 25°C)
Phase Angle	Range	0-360°
	Resolution	1°
	Accuracy	$\pm1^\circ(45-65Hz)^{*5}$
Frequency	Range	10Hz-5KHz
	Resolution	0.1Hz
	Accuracy	$\pm0.1\%+0.1Hz(10Hz-999.9Hz)/\pm0.1\%+1Hz(1KHz-5KHz)^{*4}$
<b>Other</b>		
Protection	OPP,OCP,OTP	
Interface	GPIB,USB,LAN,RS232,CAN	
Memory	10groups	

<b>Dimension(WxHxD)</b>	6u
<b>Weight</b>	100Kg

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

\*2: FS=full scale:  $V_{rms}=300Vac$ ,  $I_{rms}=24A$ ;  $I_{pk}=72A$ ;  $P=3000VA$ .

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

The maximum distortion test is carried out by outputting the maximum current to linear load under 125Vac (Auto mode) and 250Vac (300V mode).

\*4: The test frequency accuracy should ensure that the minimum voltage is 30Vac.

\*5: Testing premise is in Fast mode

\*6: The minimum voltage setting must not be less than 50Vdc.

\*7: FS=full scale:  $V_{dc}=424Vdc$ ;  $I_{dc}=12A$ ;  $P=1500W$ .

Parameter		IT7627	V1.4
<b>AC Input</b>			
Voltage	380Vac±10%(Y)		
Phase	3φ		
Frequency	47-63Hz		
Max.Current	60A		
Power Factor	0.7(Typical)		
<b>AC Output</b>			
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) <sup>*1</sup>	±0.2%+(0.2%+0.2%×Kfreq)×FS <sup>*2</sup>		
Voltage accuracy(loop:slow) <sup>*1</sup>	±0.3%+(0.3%+0.3%×Kfreq)×FS <sup>*2</sup>		
Temp. coefficient	±(0.04% per degree from 25℃)		
Max.Current(1φ)	RMS	72A/36A <sup>*8</sup>	
	Peak(CF=3)	216A/108A <sup>*8</sup> (Typical)	
Max.Current(3φ)	RMS	24A/12A	
	Peak(CF=3)	72A/36A (Typical)	
Total Harmonic Distortion <sup>*3</sup>	≤0.5% at 10-500Hz (Resistive Load)		
	≤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)		
<b>DC Output</b>			
Max. output power	4.5KW		
Voltage output	±212V/±424V <sup>*6</sup>		
Voltage resolution	10mV		
Voltage output and readback Accuracy	±(0.2%+0.2%FS) <sup>*7</sup>		
Temp. coefficient	±(0.04% per degree from 25℃)		

Current range		36A/18A
Current resolution		10mA
Current readback accuracy		$\pm(0.3\%+0.3\%FS)^{*7}$
Power meter accuracy		$\pm(0.4\%+0.4\%FS)^{*7}$
Voltage ripple	Peak	500mVp-p
	Rms	200mVrms
<b>Meter</b>		
AC voltage	Range	0-300Vac
	Resolution	10mV
	Accuracy	$\pm(0.2\%+0.2\%FS)$
	Temp. coefficient	$\pm(0.04\%$ per degree from 25°C)
AC current (rms)	Range	0-72Arms
	Resolution	10mA
	Accuracy	$\pm 0.3\%+(0.3\%+0.2\% \times Kfreq) \times FS^{*2}$
	Temp. coefficient	$\pm(0.04\%$ per degree from 25°C)
AC current (peak)	Range	0-216Apeak
	Resolution	10mA
	Accuracy	$\pm 0.3\%+(0.3\%+0.2\% \times Kfreq) \times FS^{*2}$
	Temp. coefficient	$\pm(0.04\%$ per degree from 25°C)
Power	Resolution	10mW
	Accuracy	$\pm 0.4\%+(0.4\%+0.2\% \times Kfreq) \times FS^{*2}$
	Temp. coefficient	$\pm(0.04\%$ per degree from 25°C)
Phase Angle	Range	0-360°
	Resolution	1°
	Accuracy	$\pm 1^\circ(45-65Hz)^{*5}$
Frequency	Range	10Hz-5KHz
	Resolution	0.1Hz
	Accuracy	$\pm 0.1\%+0.1Hz(10Hz-999.9Hz)/\pm 0.1\%+1Hz(1KHz-5KHz)^{*4}$
<b>Other</b>		
<b>Protection</b>	OPP,OCP,OTP	
<b>Interface</b>	GPIB,USB,LAN,RS232,CAN	

<b>Memory</b>	10 groups
<b>Dimension(WxHxD)</b>	24u

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

\*2: FS=full scale:  $V_{rms}=300Vac$ ,  $I_{rms}=72A$ ;  $I_{pk}=216A$ ;  $P=9000VA$ ;

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

The maximum distortion test is carried out by outputting the maximum current to linear load under 125Vac (Auto mode) and 250Vac (300V mode).

\*4: The test frequency accuracy should ensure that the minimum voltage is 30Vac.

\*5: Testing premise is in Fast mode

\*6: The minimum voltage setting must not be less than 50Vdc.

\*7: FS=full scale:  $V_{dc}=424Vdc$ ;  $I_{dc}=36A$ ;  $P=4500W$ ;

\*8: The maximum current range is 90% in the parallel mode.

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

Parameter		IT7628	V1.5
<b>AC Input</b>			
Voltage	380Vac±10%(Y)		
Phase	3φ		
Frequency	47-63Hz		
Max.Current	120A		
Power Factor	0.7(Typical)		
<b>AC Output</b>			
Output Phase	1φ or 3φ		
Max. output power	18KVA		
Max.output power of each phase	6KVA		
Voltage range	High:2V-300V, Low:1V-150V, Auto:1V-150V/2V-300V		
Voltage resolution	10mV		
Voltage accuracy(loop:fast) <sup>*1</sup>	±0.2%+(0.2%+0.2%×Kfreq)×FS <sup>*2</sup>		
Voltage accuracy(loop:slow) <sup>*1</sup>	±0.3%+(0.3%+0.3%×Kfreq)×FS <sup>*2</sup>		
Temp. coefficient	±(0.04% per degree from 25℃)		
Max.Current(1φ)	RMS	144A/72A <sup>*8</sup>	
	Peak(CF=3)	432A/216A <sup>*8</sup> (Typical)	
Max.Current(3φ)	RMS	48A/24A	
	Peak(CF=3)	144A/72A(Typical)	
Total Harmonic Distortion <sup>*3</sup>	≤0.5% at 10-500Hz (Resistive Load)		
	≤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)		
<b>DC Output</b>			
Max. output power	9KW		
Voltage output	±212V/±424V <sup>*6</sup>		
Voltage resolution	10mV		
Voltage output and readback Accuracy	±(0.2%+0.2%FS) <sup>*7</sup>		
Temp. coefficient	±(0.04% per degree from 25℃)		



Current range		72A/36A
Current resolution		10mA
Current readback accuracy		$\pm(0.3\%+0.3\%FS)^{*7}$
Power meter accuracy		$\pm(0.4\%+0.4\%FS)^{*7}$
Voltage ripple	Peak	600mVp-p
	Rms	300mVrms
<b>Meter</b>		
AC voltage	Range	0-300Vac
	Resolution	10mV
	Accuracy	$\pm(0.2\%+0.2\%FS)$
	Temp. coefficient	$\pm(0.04\%$ per degree from 25°C)
AC current (rms)	Range	0-144Arms
	Resolution	10mA
	Accuracy	$\pm 0.3\%+(0.3\%+0.3\% \times Kfreq) \times FS^{*2}$
	Temp. coefficient	$\pm(0.04\%$ per degree from 25°C)
AC current (peak)	Range	0-432Apeak
	Resolution	10mA
	Accuracy	$\pm 0.3\%+(0.3\%+0.3\% \times Kfreq) \times FS^{*2}$
	Temp. coefficient	$\pm(0.04\%$ per degree from 25°C)
Power	Resolution	10mW
	Accuracy	$\pm 0.4\%+(0.4\%+0.4\% \times Kfreq) \times FS^{*2}$
	Temp. coefficient	$\pm(0.04\%$ per degree from 25°C)
Phase Angle	Range	0-360°
	Resolution	1°
	Accuracy	$\pm 1^{\circ}(45-65Hz)^{*5}$
Frequency	Range	10Hz-5KHz
	Resolution	0.1Hz
	Accuracy	$\pm 0.1\%+0.1Hz(10Hz-999.9Hz)/\pm 0.1\%+1Hz(1KHz-5KHz)^{*4}$
<b>Other</b>		
Protection	OPP,OCP,OTP	
Interface	GPIB,USB,LAN,RS232,CAN	

<b>Dimension(WxHxD)</b>	37u
<b>Weight</b>	750Kg

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

\*2: FS corresponds to the full range:  $V_{rms}=300Vac$ ;  $I_{rms}=144A$ ;  $I_{pk}=432A$ ;  $P=18KVA$ ;

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

The maximum distortion test is carried out by outputting the maximum current to linear load under 125Vac (Auto mode) and 250Vac (300V mode).

\*4: The test frequency accuracy should ensure that the minimum voltage is 30Vac.

\*5: The test mode is Fast.

\*6: The minimum voltage setting must not be less than 50Vdc.

\*7: FS corresponds to the full range:  $V_{dc}=424Vdc$ ;  $I_{dc}=72A$ ;  $P=9000W$ ;

\*8: The maximum current range is 90% in the parallel mode.

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

Parameter		IT7628L	V1.3
<b>AC Input</b>			
Voltage		380Vac±10%(Y)	
Phase		3φ	
Frequency		47-63Hz	
Max.Current		90A	
Power Factor		0.7(Typical)	
<b>AC Output</b>			
Output Phase		3φ	
Max. output power		13.5KVA	
Max. output power of each phase		4.5KVA	
Voltage range		High:2V-300V, Low: 1V-150V, Auto :1V-150V/2V-300V	
Voltage resolution		10mV	
Voltage accuracy(loop:fast) <sup>*1</sup>		±0.2%+(0.2%+0.2%×Kfreq)×FS <sup>*2</sup>	
Voltage accuracy(loop:slow) <sup>*1</sup>		±0.3%+(0.3%+0.3%×Kfreq)×FS <sup>*2</sup>	
Temp. coefficient		±(0.04% per degree from 25°C)	
Max.Current(3φ)	RMS	36A/18A	
	Peak(CF=3)	108A/54A(Typical)	
	90V-125Vac/180-250 Vac		
Total Harmonic Distortion <sup>*3</sup>		≤0.5% at 15-500Hz (Resistive Load)	
		≤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)	
<b>Meter</b>			
AC voltage	Range	0-300Vac	
	Resolution	10mV	
	Accuracy	±(0.2%+0.2%FS)	
	Temp. coefficient	±(0.04% per degree from 25°C)	
AC current (rms)	Range	0-36Arms	

	Resolution	10mA
	Accuracy	$\pm 0.3\% + (0.3\% + 0.3\% \times K_{\text{freq}}) \times FS^{*2}$
	Temp. coefficient	$\pm (0.04\% \text{ per degree from } 25^{\circ}\text{C})$
AC current (peak)	Range	0-108A <sub>peak</sub>
	Resolution	10mA
	Accuracy	$\pm 0.3\% + (0.3\% + 0.2\% \times K_{\text{freq}}) \times FS^{*2}$
	Temp. coefficient	$\pm (0.04\% \text{ per degree from } 25^{\circ}\text{C})$
Power	Resolution	10mW
	Accuracy	$\pm 0.4\% + (0.4\% + 0.4\% \times K_{\text{freq}}) \times FS^{*2}$
	Temp. coefficient	$\pm (0.04\% \text{ per degree from } 25^{\circ}\text{C})$
Phase Angle	Range	0-360°
	Resolution	1°
	Accuracy	$\pm 1^{\circ} (15-65\text{Hz})^{*5}$
Frequency	Range	10Hz-5KHz
	Resolution	0.1Hz
	Accuracy	$\pm 0.1\% + 0.1\text{Hz} (15\text{Hz}-999.9\text{Hz}) / \pm 0.1\% + 1\text{Hz} (1\text{KHz}-5\text{KHz})^{*4}$
<b>Other</b>		
<b>Protection</b>	OPP,OCP,OTP	
<b>Interface</b>	GPIB,USB,LAN,RS232,CAN	
<b>Dimension(WxHxD)</b>	37u	

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

\*2: FS corresponds to the full range:  $V_{\text{rms}}=300\text{Vac}$ ;  $I_{\text{rms}}=36\text{A}$ ;  $I_{\text{pk}}=108\text{A}$ ;  $P=13.5\text{KVA}$ ;

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

The maximum distortion test is carried out by outputting the maximum current to linear load under 125Vac (Auto mode) and 250Vac (300V mode).

\*4: The test frequency accuracy should ensure that the minimum voltage is 30Vac.

\*5: The test mode is Fast.

Parameter		IT7630	V1.1
<b>AC Input</b>			
Voltage		380Vac±10%(Y)	
Phase		3φ	
Frequency		47-63Hz	
Max.Current		60A×3 <sup>*9</sup>	
Power Factor		0.7(Typical)	
<b>AC Output</b>			
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	
Voltage resolution		10mV	
Voltage accuracy(loop:fast) <sup>*1</sup>		±0.2%+(0.2%+0.2%×Kfreq)×FS <sup>*2</sup>	
Voltage accuracy(loop:slow) <sup>*1</sup>		±0.3%+(0.3%+0.3%×Kfreq)×FS <sup>*2</sup>	
Temp. coefficient		±(0.04% per degree from 25℃)	
Max.Current(3φ)	RMS	72A/36A	
	Peak(CF=3)	216A/108A	
Total Harmonic Distortion <sup>*3</sup>		≤0.5% at 10-500Hz (Resistive Load)	
		≤2% at 501-5000Hz (Resistive Load)	
Crest Factor		3	
Line Regulation		≤0.1%FS(Resistive Load)	
Load Regulation		≤0.5%FS(Resistive Load)	
Dynamic Response Time		≤200us(Typical)	
<b>Meter</b>			
AC voltage	Range	0-300Vac	
	Resolution	10mV	
	Accuracy	±(0.2%+0.2%FS)	
	Temp. coefficient	±(0.04% per degree from 25℃)	
AC current (rms)	Range	0-72Arms	
	Resolution	10mA	

	Accuracy	$\pm 0.3\% + (0.3\% + 0.2\% \times K_{\text{freq}}) \times FS^{*2}$
	Temp. coefficient	$\pm (0.04\% \text{ per degree from } 25^{\circ}\text{C})$
AC current (peak)	Range	0-216A <sub>peak</sub>
	Resolution	10mA
	Accuracy	$\pm 0.3\% + (0.3\% + 0.2\% \times K_{\text{freq}}) \times FS^{*2}$
	Temp. coefficient	$\pm (0.04\% \text{ per degree from } 25^{\circ}\text{C})$
Power	Resolution	10mW
	Accuracy	$\pm 0.4\% + (0.4\% + 0.2\% \times K_{\text{freq}}) \times FS^{*2}$
	Temp. coefficient	$\pm (0.04\% \text{ per degree from } 25^{\circ}\text{C})$
Phase Angle	Range	0-360°
	Resolution	1°
	Accuracy	$\pm 3^{\circ} (45-65\text{Hz})^{*5}$
Frequency	Range	10Hz-5KHz
	Resolution	0.1Hz
	Accuracy	$\pm 0.1\% + 0.1\text{Hz} (10\text{Hz}-999.9\text{Hz}) / \pm 0.1\% + 1\text{Hz} (1\text{KHz}-5\text{KHz})^{*4}$
<b>Other</b>		
<b>Protection</b>	OPP,OCP,OTP	
<b>Interface</b>	GPIB,USB,LAN,RS232,CAN	
<b>Dimension(WxHxD)</b>	24u×3	

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

\*2: FS corresponds to the full range:  $V_{\text{rms}}=300\text{Vac}$ ;  $I_{\text{rms}}=72\text{A}$ ;  $I_{\text{pk}}=216\text{A}$ ;  $P=27\text{KVA}$ ;

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

The maximum distortion test is carried out by outputting the maximum current to linear load under 125Vac (Auto mode) and 250Vac (300V mode).

\*4: The test frequency accuracy should ensure that the minimum voltage is 30Vac.

\*5: The test mode is Fast.

\*6: The minimum voltage setting must not be less than 50Vdc.

\*8: The maximum current range is 90% in the parallel mode.

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

Parameter		IT7632	V1.1
<b>AC Input</b>			
Voltage		380Vac±10%(Y)	
Phase		3φ	
Frequency		47-63Hz	
Max.Current		120A×3 <sup>*9</sup>	
Power Factor		0.7(Typical)	
<b>AC Output</b>			
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) <sup>*1</sup>		±0.2%+(0.2%+0.2%×Kfreq)×FS <sup>*2</sup>	
Voltage accuracy(loop:slow) <sup>*1</sup>		±0.3%+(0.3%+0.3%×Kfreq)×FS <sup>*2</sup>	
Temp. coefficient		±(0.04% per degree from 25℃)	
Max.Current(3φ)	RMS	96A/48A	
	Peak(CF=3)	288A/144A	
Total Harmonic Distortion <sup>*3</sup>		≤0.5% at 10-500Hz (Resistive Load)	
		≤2% at 501-5000Hz (Resistive Load)	
Crest Factor		3	
Line Regulation		≤0.1%FS(Resistive Load)	
Load Regulation		≤0.5%FS(Resistive Load)	
Dynamic Response Time		≤200us(Typical)	
<b>Meter</b>			
AC voltage	Range	0-300Vac	
	Resolution	10mV	
	Accuracy	±(0.2%+0.2%FS)	
	Temp. coefficient	±(0.04% per degree from 25℃)	
AC current (rms)	Range	0-96Arms	
	Resolution	10mA	

	Accuracy	$\pm 0.3\% + (0.3\% + 0.2\% \times K_{\text{freq}}) \times FS^{*2}$
	Temp. coefficient	$\pm (0.04\% \text{ per degree from } 25^{\circ}\text{C})$
AC current (peak)	Range	0-288A <sub>peak</sub>
	Resolution	10mA
	Accuracy	$\pm 0.3\% + (0.3\% + 0.2\% \times K_{\text{freq}}) \times FS^{*2}$
	Temp. coefficient	$\pm (0.04\% \text{ per degree from } 25^{\circ}\text{C})$
Power	Resolution	10mW
	Accuracy	$\pm 0.4\% + (0.4\% + 0.2\% \times K_{\text{freq}}) \times FS^{*2}$
	Temp. coefficient	$\pm (0.04\% \text{ per degree from } 25^{\circ}\text{C})$
Phase Angle	Range	0-360°
	Resolution	1°
	Accuracy	$\pm 3^{\circ} (45-65\text{Hz})^{*5}$
Frequency	Range	10Hz-5KHz
	Resolution	0.1Hz
	Accuracy	$\pm 0.1\% + 0.1\text{Hz} (10\text{Hz}-999.9\text{Hz}) / \pm 0.1\% + 1\text{Hz} (1\text{KHz}-5\text{KHz})^{*4}$
<b>Other</b>		
<b>Protection</b>	OPP,OCP,OTP	
<b>Interface</b>	GPIB,USB,LAN,RS232,CAN	
<b>Dimension(WxHxD)</b>	24u×3	

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

\*2: FS corresponds to the full range:  $V_{\text{rms}}=300\text{Vac}$ ;  $I_{\text{rms}}=96\text{A}$ ;  $I_{\text{pk}}=288\text{A}$ ;  $P=36\text{KVA}$ ;

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

The maximum distortion test is carried out by outputting the maximum current to linear load under 125Vac (Auto mode) and 250Vac (300V mode).

\*4: The test frequency accuracy should ensure that the minimum voltage is 30Vac.

\*5: The test mode is Fast.

\*6: The minimum voltage setting must not be less than 50Vdc.

\*8: The maximum current range is 90% in the parallel mode.

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



Parameter		IT7634	V1.1
<b>AC Input</b>			
Voltage	380Vac±10%(Y)		
Phase	3φ		
Frequency	47-63Hz		
Max.Current	120A×3 <sup>*9</sup>		
Power Factor	0.7(Typical)		
<b>AC Output</b>			
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) <sup>*1</sup>	±0.2%+(0.2%+0.2%×Kfreq)×FS <sup>*2</sup>		
Voltage accuracy(loop:slow) <sup>*1</sup>	±0.3%+(0.3%+0.3%×Kfreq)×FS <sup>*2</sup>		
Temp. coefficient	±(0.04% per degree from 25℃)		
Max.Current(3φ)	RMS	120A/60A	
	Peak(CF=3)	360A/180A	
Total Harmonic Distortion <sup>*3</sup>	≤0.5% at 10-500Hz (Resistive Load)		
	≤2% at 501-5000Hz (Resistive Load)		
Crest Factor	3		
Line Regulation	≤0.1%FS(Resistive Load)		
Load Regulation	≤0.5%FS(Resistive Load)		
Dynamic Response Time	≤200us(Typical)		
<b>Meter</b>			
AC voltage	Range	0-300Vac	
	Resolution	10mV	
	Accuracy	±(0.2%+0.2%FS)	
	Temp. coefficient	±(0.04% per degree from 25℃)	
AC current (rms)	Range	0-120Arms	
	Resolution	10mA	

	Accuracy	$\pm 0.3\% + (0.3\% + 0.2\% \times K_{\text{freq}}) \times FS^{*2}$
	Temp. coefficient	$\pm (0.04\% \text{ per degree from } 25^{\circ}\text{C})$
AC current (peak)	Range	0-360A <sub>peak</sub>
	Resolution	10mA
	Accuracy	$\pm 0.3\% + (0.3\% + 0.2\% \times K_{\text{freq}}) \times FS^{*2}$
	Temp. coefficient	$\pm (0.04\% \text{ per degree from } 25^{\circ}\text{C})$
Power	Resolution	10mW
	Accuracy	$\pm 0.4\% + (0.4\% + 0.2\% \times K_{\text{freq}}) \times FS^{*2}$
	Temp. coefficient	$\pm (0.04\% \text{ per degree from } 25^{\circ}\text{C})$
Phase Angle	Range	0-360°
	Resolution	1°
	Accuracy	$\pm 3^{\circ} (45-65\text{Hz})^{*5}$
Frequency	Range	10Hz-5KHz
	Resolution	0.1Hz
	Accuracy	$\pm 0.1\% + 0.1\text{Hz} (10\text{Hz}-999.9\text{Hz}) / \pm 0.1\% + 1\text{Hz} (1\text{KHz}-5\text{KHz})^{*4}$
<b>Other</b>		
<b>Protection</b>	OPP,OCP,OTP	
<b>Interface</b>	GPIB,USB,LAN,RS232,CAN	
<b>Dimension(WxHxD)</b>	37u×3	

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

\*2: FS corresponds to the full range:  $V_{\text{rms}}=300\text{Vac}$ ;  $I_{\text{rms}}=120\text{A}$ ;  $I_{\text{pk}}=360\text{A}$ ;  $P=45\text{KVA}$ ;

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

The maximum distortion test is carried out by outputting the maximum current to linear load under 125Vac (Auto mode) and 250Vac (300V mode).

\*4: The test frequency accuracy should ensure that the minimum voltage is 30Vac.

\*5: The test mode is Fast.

\*6: The minimum voltage setting must not be less than 50Vdc.

\*8: The maximum current range is 90% in the parallel mode.

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

Parameter		IT7636	V1.1
<b>AC Input</b>			
Voltage	380Vac±10%(Y)		
Phase	3φ		
Frequency	47-63Hz		
Max.Current	120A×3 <sup>*9</sup>		
Power Factor	0.7(Typical)		
<b>AC Output</b>			
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) <sup>*1</sup>	±0.2%+(0.2%+0.2%×Kfreq)×FS <sup>*2</sup>		
Voltage accuracy(loop:slow) <sup>*1</sup>	±0.3%+(0.3%+0.3%×Kfreq)×FS <sup>*2</sup>		
Temp. coefficient	±(0.04% per degree from 25℃)		
Max.Current(3φ)	RMS	144A/72A	
	Peak(CF=3)	432A/216A	
Total Harmonic Distortion <sup>*3</sup>	≤0.5% at 10-500Hz (Resistive Load)		
	≤2% at 501-5000Hz (Resistive Load)		
Crest Factor	3		
Line Regulation	≤0.1%FS(Resistive Load)		
Load Regulation	≤0.5%FS(Resistive Load)		
Dynamic Response Time	≤200us(Typical)		
<b>Meter</b>			
AC voltage	Range	0-300Vac	
	Resolution	10mV	
	Accuracy	±(0.2%+0.2%FS)	
	Temp. coefficient	±(0.04% per degree from 25℃)	
AC current (rms)	Range	0-144Arms	
	Resolution	10mA	

	Accuracy	$\pm 0.3\% + (0.3\% + 0.2\% \times K_{\text{freq}}) \times FS^{*2}$
	Temp. coefficient	$\pm (0.04\% \text{ per degree from } 25^{\circ}\text{C})$
AC current (peak)	Range	0-432Apeak
	Resolution	10mA
	Accuracy	$\pm 0.3\% + (0.3\% + 0.2\% \times K_{\text{freq}}) \times FS^{*2}$
	Temp. coefficient	$\pm (0.04\% \text{ per degree from } 25^{\circ}\text{C})$
Power	Resolution	10mW
	Accuracy	$\pm 0.4\% + (0.4\% + 0.2\% \times K_{\text{freq}}) \times FS^{*2}$
	Temp. coefficient	$\pm (0.04\% \text{ per degree from } 25^{\circ}\text{C})$
Phase Angle	Range	0-360°
	Resolution	1°
	Accuracy	$\pm 3^{\circ} (45-65\text{Hz})^{*5}$
Frequency	Range	10Hz-5KHz
	Resolution	0.1Hz
	Accuracy	$\pm 0.1\% + 0.1\text{Hz} (10\text{Hz}-999.9\text{Hz}) / \pm 0.1\% + 1\text{Hz} (1\text{KHz}-5\text{KHz})^{*4}$
<b>Other</b>		
<b>Protection</b>	OPP,OCP,OTP	
<b>Interface</b>	GPIB,USB,LAN,RS232,CAN	
<b>Dimension(WxHxD)</b>	37u×3	

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

\*2: FS corresponds to the full range:  $V_{\text{rms}}=300\text{Vac}$ ;  $I_{\text{rms}}=144\text{A}$ ;  $I_{\text{pk}}=432\text{A}$ ;  $P=54\text{KVA}$ ;

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

The maximum distortion test is carried out by outputting the maximum current to linear load under 125Vac (Auto mode) and 250Vac (300V mode).

\*4: The test frequency accuracy should ensure that the minimum voltage is 30Vac.

\*5: The test mode is Fast.

\*6: The minimum voltage setting must not be less than 50Vdc.

\*8: The maximum current range is 90% in the parallel mode.

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

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