

Model		IT8811		IT8812		
Rated value (0~40 °C)	Voltage	0~120V		0~120V		
	Current	0~3A	0~30A	0~3A	0~30A	
	power	150 W		250W		
	Min-op-V	0.11V at 3A	1.1V at 30A	0.11V at 3A	1.1V at 30A	
CV mode	range	0.1~18V	0.1~120V	0.1~18V	0.1~120V	
	resolution	1mV	10mV	1mV	10mV	
	accuracy	$\pm(0.05\%+0.02\%FS)$	$\pm(0.05\%+0.025\%FS)$	$\pm(0.05\%+0.02\%FS)$	$\pm(0.05\%+0.025\%FS)$	
CC mode	range	0~3A	0~30A	0~3A	0~30A	
	resolution	0.1mA	1mA	0.1mA	1mA	
	accuracy	$\pm(0.05\%+0.05\%FS)$	$\pm(0.05\%+0.05\%FS)$	$\pm(0.05\%+0.05\%FS)$	$\pm(0.05\%+0.05\%FS)$	
CR mode	range	0.05Ω~10Ω	10Ω~7.5KΩ	0.05Ω~10Ω	10Ω~7.5KΩ	
	resolution	16bit		16bit		
	accuracy	0.01%+0.08S	0.01%+0.0008S	0.01%+0.08S	0.01%+0.0008S	
CP mode	range	150W		250W		
	resolution	10mW		10mW		
	accuracy	0.1%+0.1%FS		0.1%+0.1%FS		
Dynamic mode						
Dynamic mode	CC mode			CC mode		
	T1 & T2	20uS~3600S /Res:1 uS		20uS~3600S /Res:1 uS		
	accuracy	5uS±100ppm		5uS±100ppm		
	slew rate	0.0001~0.25A/uS	0.001~2.5A/uS	0.0001~0.25A/uS	0.001~2.5A/uS	
Measurement range						
Readback voltage	range	0~18V	0~120V	0~18V	0~120V	
	resolution	0.1 mV	1 mV	0.1 mV	1 mV	
	accuracy	$\pm(0.025\%+0.025\%FS)$	$\pm(0.025\%+0.025\%FS)$	$\pm(0.025\%+0.025\%FS)$	$\pm(0.025\%+0.025\%FS)$	
Readback current	range	0~3A	0~30A	0~3A	0~30A	
	resolution	0.01mA	0.1mA	0.01mA	0.1mA	
	accuracy	$\pm(0.05\%+0.05\%FS)$		$\pm(0.05\%+0.05\%FS)$		
Readback power*2	range	150W		250W		
	resolution	10mW		10mW		
	accuracy	$\pm(0.1\%+0.1\%FS)$		$\pm(0.1\%+0.1\%FS)$		
Protection range						
OPP	$\approx 150W$			$\approx 250W$		
OCP	$\approx 3.3A$	$\approx 33A$	$\approx 3.3A$	$\approx 33A$	$\approx 33A$	
OVP	$\approx 120V$			$\approx 120V$		
OTP	$\approx 85^{\circ}C$			$\approx 85^{\circ}C$		
specification						
Short circuit	current	$\approx 3.3/3A$	$\approx 33/30A$	$\approx 3.3/3A$	$\approx 33/30A$	
	voltage	0V	0V	0V	0V	
	resistance	$\approx 35m\Omega$	$\approx 35m\Omega$	$\approx 35m\Omega$	$\approx 35m\Omega$	
Input impedance	150KΩ			150KΩ		
dimension	214.5mm*88.2mm*354.6mm			214.5mm*88.2mm*354.6mm		

Model		IT8812B		IT8812C	
Rated value (0~40 °C)	Voltage	0~500V		0~120V	
	Current	0~3A	0~15A	0~6A	0~60A
	power	200W		250W	
	Min-op-V	0.6V at 3A	4.5V at 15A	0.18V at 6A	1.1V at 60A
CV mode	range	0.1~50V	0.1~500V	0.1~18V	0.1~120V
	resolution	1mV	10mV	1mV	10mV
	accuracy	±(0.05%+0.025%FS)	±(0.05%+0.025%FS)	±(0.025%+0.05%FS)	±(0.025%+0.05%FS)
CC mode	range	0~3A	0~15A	0~6A	0~60A
	resolution	0.1mA	1mA	0.1mA	1mA
	accuracy	±(0.05%+0.05%FS)	±(0.05%+0.05%FS)	±(0.05%+0.05%FS)	±(0.05%+0.05%FS)
CR mode	range	0.3Ω~10Ω	10Ω~7.5KΩ	0.05Ω~10Ω	10Ω~7.5KΩ
	resolution	16bit		16bit	
	accuracy	0.01%+0.08S	0.01%+0.0008S	0.01%+0.08S	0.01%+0.0008S
CP mode	range	200W		250W	
	resolution	10mW		10mW	
	accuracy	0.1%+0.1%FS		0.2%+0.2%FS	
Dynamic mode					
Dynamic mode	CC mode			CC mode	
	T1 & T2	20uS~3600S /Res:1 uS		20uS~3600S /Res:1 uS	
	accuracy	5uS±100ppm		5uS±100ppm	
	slew rate	0.0001~0.25A/uS	0.001~2.5A/uS	0.0001~0.25A/uS	0.001~2.5A/uS
Measurement range					
Readback voltage	range	0~50V	0~500V	0~18V	0~120V
	resolution	0.1 mV	1 mV	0.1 mV	1 mV
	accuracy	±(0.025%+0.025%FS)	±(0.025%+0.025%FS)	±(0.025%+0.025%FS)	±(0.025%+0.025%FS)
Readback current	range	0~3A	0~15A	0~6A	0~60A
	resolution	0.01mA	0.1mA	0.1mA	1mA
	accuracy	±(0.05%+0.05%FS)		±(0.05%+0.1%FS)	
Readback power*2	range	200W		250W	
	resolution	10mW		10mW	
	accuracy	±(0.1%+0.1%FS)		±(0.2%+0.2%FS)	
Protection range					
OPP	≅200W			≅250W	
OCP	≅3.3A	≅16.5A		≅6.6A	≅66A
OVP	≅500V			≅120V	
OTP	≅85°C			≅85°C	
specification					
Short circuit	current	≅3.3/3A	≅16.5/15A	≅6.6/6A	≅66/60A
	voltage	0V	0V	0V	0V
	resistance	≅300mΩ	≅300mΩ	≅30mΩ	≅30mΩ
Input impedance	1MΩ			300KΩ	
dimension	214.5mm*88.2mm*354.6mm			214.5mm*88.2mm*354.6mm	

Memory capacity:100 groups

Suggested calibration frequency: 1time/year

Cooling method: Fan cool