

Model		M9811		M9812		M9812B	
Input Rating	Power	150W		300W		300W	
	Current	0-30A		0-30A		0-15A	
	Voltage	0-150V		0-150V		0-500V	
CC Model	Range	0-3A	0-30A	0-3A	0-30A	0-3A	0-15A
	Resolution	0.1mA	1mA	0.1mA	1mA	0.1mA	1mA
	Accuracy	0.03%+0.05%FS	0.03%+0.05%FS	0.03%+0.05%FS	0.03%+0.05%FS	0.03%+0.05%FS	0.03%+0.05%FS
CV Model	Range	0.1-19.999V	0.1-150V	0.1-19.999V	0.1-150V	0.1-19.999V	0.1-500V
	Resolution	1mV	10mV	1mV	10mV	1mV	10mV
	Accuracy	0.03%+0.02%FS	0.03%+0.02%FS	0.03%+0.02%FS	0.03%+0.02%FS	0.03%+0.02%FS	0.03%+0.02%FS
CR Model (Voltage and current input value $\geq 10\%$ FS)	Range	0.03 $\Omega$ -10K	0.03 $\Omega$ -5K	0.03 $\Omega$ -10K	0.03 $\Omega$ -5K	0.3 $\Omega$ -10K	0.3 $\Omega$ -5K
	Resolution	16 Bit	16Bit	16 Bit	16 Bit	16Bit	16 Bit
	Accuracy	0.1%+0.1%FS	0.1%+0.1%FS	0.1%+0.1%FS	0.1%+0.1%FS	0.1%+0.1%FS	0.1%+0.1%FS
CW Mode (Voltage and current input value $\geq 10\%$ FS)	Range	0-150W	0-150W	0-300W	0-300W	0-300W	0-300W
	Resolution	1mW	10mW	1mW	10mW	1mW	10mW
	Accuracy	0.1%+0.1%FS	0.1%+0.1%FS	0.1%+0.1%FS	0.1%+0.1%FS	0.1%+0.1%FS	0.1%+0.1%FS
V Measurement	Voltage	0-19.999V	0-150V	0-19.999V	0-150V	0-19.999V	0-500V
	Resolution	1mV	10mV	1mV	10mV	1mV	10mV
	Accuracy	0.015%+0.03%FS	0.015%+0.03%FS	0.015%+0.02%FS	0.015%+0.03%FS	0.015%+0.03%FS	0.015%+0.05%FS
I Measurement	Current	0-3A	0-30A	0-3A	0-30A	0-3A	0-15A
	Resolution	0.01mA	0.1mA	0.01mA	0.1mA	0.01mA	0.1mA
	Accuracy	0.03%+0.05%FS	0.03%+0.05%FS	0.03%+0.05%FS	0.03%+0.05%FS	0.03%+0.05%FS	0.03%+0.05%FS
W Measurement (Voltage and current input value $\geq 10\%$ FS)	Watt	100W	150W	100W	300W	100W	300W
	Resolution	1mW	10mW	1mW	10mW	1mW	10mW
	Accuracy	0.1%+0.1%FS	0.1%+0.1%FS	0.1%+0.1%FS	0.1%+0.1%FS	0.1%+0.1%FS	0.1%+0.1%FS
Battery Measurement	Battery Input: 0.5-120V; Max. Measurement: Capacity=999/H; Resolution=0.1mA; Time Range=1S-16HS						
Dynamic Measurement	Transition List: 0-25kHz; 2.5A/uS; T1&T2:60uS-999S; Accuracy: + 15% offset+10% FS						
CC soft-startup Time	1 mS; 2 mS; 5mS; 10mS; 20 mS; 50 mS; 100 mS; 200 mS Accuracy: + 15% offset+10% FS						
LED test model	Press shift+▲ button to enter Led test. Repeat to escape the LED test. A 'D' character shows on lower right of the display in the LED test.						
Short Circuit	Current(CC)	$\approx 3.3A$	$\approx 33A$	$\approx 3.3A$	$\approx 33A$	$\approx 3.3A$	$\approx 18A$
	Voltage(CV)	0V		0V		0V	
	Resistance(CR)	$\approx 55m\Omega$		$\approx 28m\Omega$		$\approx 200m\Omega$	
Temperature	Operating	0~40°C		0~40°C		0~40°C	
	Nonoperating	-10°C~70°C		-10°C~70°C		-10°C~70°C	
Dimension	W*H*D(mm)	108*214*365					
Weight	Kg	3.5					