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Electronics

Maynuo Electronics is dedicated to providing production lines and laboratories with the right test instruments



Just Right For Your  
Power Electronics  
Test Solution!

## M88 Series Programmable DC Power Supplier

### Features

- Low ripple and low noise.
- High resolution and accuracy (0.1mV/0.01mA).
- Built-in high-accuracy 5 1/2 voltmeter and milliohmmeter.
- Supporting high-accuracy and dynamic programming output.
- High –luminance VFD screen with two lines& four channels display.
- Intelligent fan system fan will be automatically initiated according to the temperature.
- Supporting remote voltage compensation and multidata storage.
- Supporting external trigger input and output.
- Power-on-self-test, software calibration and standard rack mount.
- Communication mode: GPIB/RS232/RS485/USB.

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## M88 Series Programmable DC Power Supplier Technical Specification Table

Model		M8811	M8812	M8813	M8851	M8852	M8853
Input Rating	Voltage	0-30V	0-75V	0-150V	0-6V	0-30V	0-75V
	Current	0-5A	0-2A	0-1A	0-60A	0-20A	0-8A
Load Regulation	Voltage	<0.01%+0.5mV	<0.01%+0.5mV	<0.01%+0.5mV	<0.01%+1mV	<0.01%+1mV	<0.01%+1mV
	Current	<0.01%+0.1mA	<0.01%+0.1mA	<0.01%+0.1mA	<0.01%+0.1mA	<0.01%+0.1mA	<0.01%+0.1mA
Setting Value Resolution	Voltage	0.5mV	1mV	2mV	0.1mV	0.5mV	1mV
	Current	0.1mA	0.05mA	0.01mA	1mA	0.5mA	0.2mA
Readback Value Resolution	Voltage	0.1mV	0.1mV	1mV	0.1mV	0.1mV	0.1mV
	Current	0.01mA	0.01mA	0.01mA	0.1mA	0.1mA	0.1mA
Setting Value Accuracy	Voltage	0.01%+2mV	0.01%+5mV	0.01%+15mV	0.01%+1mV	0.01%+5mV	0.01%+10mV
	Current	0.05%+1mA	0.05%+0.5mA	0.05%+0.1mA	0.05%+6mA	0.05%+2mA	0.05%+1mA
Readback Value Accuracy	Voltage	0.02%+5mV	0.02%+12mV	0.02%+25mV	0.02%+2mV	0.02%+5mV	0.02%+12mV
	Current	0.1%+5mA	0.05%+2mA	0.05%+1mA	0.05%+30mA	0.05%+10mA	0.05%+5mA
Ripple	Voltage	3mvp-p	5mvp-p	10mvp-p	3mvp-p	5mvp-p	7mvp-p
	Current	2mA rms	1mA rms	0.5mA rms	15mA rms	7mA rms	4mA rms
Voltmeter Accuracy	0-12V Accuracy: 0.02%+2mV; 0-50V Accuracy: 0.02%+5mV						
Milliohmmeter Accuracy	10W 0-1000mΩ Accuracy: 0.2%+3 mΩ; 1000-10000 mΩ Accuracy: 0.2%+6 mΩ						
Working Condition	0-40°C; 0-90% RH						
Power Required	AC 110V/220V±10%; 50/60 HZ						
Weight	6.5Kg			28Kg			
Dimension	214mm (W) x108mm (H) x365mm (D)			428mm (W) × 103.5mm (H) × 453.5mm (D)			

### The following models can be optional.

Model	M8801	M8811	M8812	M8813	M8851	M8852	M8853	M8871	M8872	M8873	M8874	M8831
Power	100W	150W	150W	150W	360W	600W	600W	900W	1050W	1125W	1100W	30W
Current	0-3A	0-5A	0-2A	0-1A	0-60A	0-20A	0-8A	0-60A	0-35A	0-15A	0-11A	0-1A
Voltage	0-33V	0-30V	0-75V	0-150V	0-6V	0-30V	0-75V	0-15V	0-30V	0-75V	0-100V	0-30V
Model	M8301		M8305									
Power	60W	60W	30W	150W	150W	240W						
Current	0-2A	0-2A	0-5A	0-5A	0-5A	0-8A						
Voltage	0-30V	0-30V	0-6V	0-30V	0-30V	0-30V						

M88 Series power suppliers are high performance single-output programmable DC power suppliers with communication interface, possessing the character of fast rise speed (The rise time of M8811 power supplier can be less than 10mS and that of M8851 can be less than 20mS) The combination of bench-top and system features in these power suppliers provides versatile solutions for your design and test requirements. The M88 Series can not only be programmed through the keyboard on the panel, but also be functioned as voltmeter and milliohmmeter, which will bring great convenience to the users. As a regeneration product of ordinary programmable power suppliers, M88 Series power suppliers are more cost-effective.

Model		M8871	M8872	M8873	M8874
Output Rating	Voltage	0-15V	0-30V	0-75V	0-100V
	Current	0-60A	0-35A	0-15A	0-11A
Load Regulation	Voltage	<0.01%+1mV	<0.01%+1mV	<0.01%+1mV	<0.01%+1mV
	Current	<0.01%+0.1mA	<0.01%+0.1mA	<0.01%+0.1mA	<0.01%+0.1mA
Setting Value Resolution	Voltage	0.1mV	0.5mV	2mV	2mV
	Current	1mA	0.5mA	0.2mA	0.2mA
Read back Value Resolution	Voltage	0.1mV	0.1mV	0.1mV	1mV
	Current	0.05%+6mA	0.05%+2mA	0.05%+1mA	0.05%+1mA
Setting Value Accuracy	Voltage	0.01%+10mV	0.01%+10mV	0.03%+10mV	0.03%+10mV
	Current	0.05%+1mA	0.05%+1mA	0.05%+1mA	0.05%+1mA
Read back Value Accuracy	Voltage	0.03%+3mV	0.03%+5mV	0.03%+15mV	0.03%+10mV
	Current	0.05%+65mA	0.05%+35mA	0.05%+15mA	0.05%+1mA
Ripple	Voltage	4mvp-p	5mvp-p	6mvp-p	8mvp-p
	Current	10mA rms	5mA rms	3mA rms	2.5mA rms
Voltmeter Accuracy	0-12V Accuracy: 0.02%+2mV; 0-50V Accuracy: 0.02%+5mV				
Milliohm meter Accuracy	10W 0-1000mOh Accuracy:0.2%+3mOh;1000-10000mOh Accuracy:0.2%+6mOh				
Working Condition	0-40°C; 0-90% RH				
Power Required	AC 110V/220V±10%; 50/60 HZ				
Weight	38Kg				
Dimension	583mm (W)*180mm (H)*445mm(D)				

