

Single Channel DC Power Supply

MPS-1000 Series



Standard RS-232 SENSE

Optional LAN RS-485 USB

* Selected optional interface→ replaces standard

Features

- Voltage 0.1mV, current 1uA display resolution
- Voltage compensation function ensures high precision
- Two ways to set voltage and current: numeric keypad and knob
- 100 preset storage and memory functions
- DVM voltmeter measurement function
- Waveform curve display function
- List sequence output function
- Battery charging function
- Resistance measurement function
- External USB drive with file saving and reading functions
- The rising slope of the power supply can be set
- Intelligent temperature controlled fan, extremely practical

Model		MPS-1001	MPS-1002	MPS-1003	MPS-1004	MPS-1005	MPS-1006
Rated input voltage		AC 220V/110V±10% 50Hz/60Hz					
Rated output voltage		0~20V	0~20V	0~20V	0~36V	0~36V	0~36V
Rated output current		0~3A	0~6A	0~10A	0~1A	0~3A	0~6A
Rated output power		60W	120W	200W	36W	108W	216W
Load regulation rate	Voltage	0.05%+5mV	0.05%+8mV	0.05%+10mV	0.05%+5mV	0.05%+5mV	0.05%+8mV
	Current	0.1%+2mA	0.1%+2mA	0.1%+5mA	0.1%+2mA	0.1%+2mA	0.1%+2mA
Line regulation rate	Voltage	0.05%+5mV	0.05%+8mV	0.05%+10mV	0.05%+5mV	0.05%+5mV	0.05%+8mV
	Current	0.1%+2mA	0.1%+2mA	0.1%+5mA	0.1%+2mA	0.1%+2mA	0.1%+2mA
Setting resolution	Voltage	0.1mV	0.1mV	0.1mV	0.1mV	0.1mV	0.1mV
	Current	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA
Read back resolution	Voltage	0.1mV	0.1mV	0.1mV	0.1mV	0.1mV	0.1mV
	Current	0.1mA/1uA	0.1mA/1uA	0.1mA/1uA	0.1mA/1uA	0.1mA/1uA	0.1mA/1uA
Setting accuracy (25°C±5°C)	Voltage	≤0.1%+5mV	≤0.1%+5mV	≤0.1%+5mV	≤0.1%+5mV	≤0.1%+5mV	≤0.1%+5mV
	Current	≤0.2%+1mA	≤0.2%+1mA	≤0.2%+1mA	≤0.2%+1mA	≤0.2%+1mA	≤0.2%+1mA
Read back accuracy (25°C±5°C)	Voltage	≤0.1%+1mV	≤0.1%+1mV	≤0.1%+1mV	≤0.1%+1mV	≤0.1%+1mV	≤0.1%+1mV
	Current	≤0.2%+1mA/5uA	≤0.2%+1mA/5uA	≤0.2%+1mA/5uA	≤0.2%+1mA/5uA	≤0.2%+1mA/5uA	≤0.2%+1mA/5uA
Ripple and noise (25°C±5°C)	Voltage	3mVrms	3mVrms	5mVrms	3mVrms	3mVrms	3mVrms
	Current	3mA rms	3mA rms	5mA rms	3mA rms	3mA rms	3mA rms
Temperature coefficient	Voltage	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm
	Current	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm
Machine size (W*H*D)	mm	260*120*402	260*120*402	260*120*402	260*120*402	260*120*402	260*120*402
Packing size (W*H*D)	mm	330*205*487	330*205*487	330*205*487	330*205*487	330*205*487	330*205*487
Net weight	kg	6.9	7.2	7.8	5.6	6.9	8
Gross weight	kg	8.4	8.7	9.3	7.1	8.4	9.5
Rise time		< 20ms					

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Model		MPS-1007	MPS-1008	MPS-1009	MPS-1010	MPS-1011	MPS-1012
Rated input voltage		AC 220V/110V±10% 50Hz/60Hz					
Rated output voltage		0~36V	0~60V	0~60V	0~60V	0~100V	0~150V
Rated output current		0~10A	0~1A	0~3A	0~5A	0~1A	0~1A
Rated output power		360W	60W	180W	300W	100W	150W
Load regulation rate	Voltage	0.05%+10mV	0.05%+5mV	0.05%+5mV	0.05%+8mV	0.05%+5mV	0.05%+5mV
	Current	0.1%+5mA	0.1%+2mA	0.1%+2mA	0.1%+2mA	0.1%+2mA	0.1%+2mA
Line regulation rate	Voltage	0.05%+10mV	0.05%+5mV	0.05%+5mV	0.05%+8mV	0.05%+5mV	0.05%+5mV
	Current	0.1%+5mA	0.1%+2mA	0.1%+2mA	0.1%+2mA	0.1%+2mA	0.1%+2mA
Setting resolution	Voltage	0.1mV	0.1mV	0.1mV	0.1mV	0.1mV	0.1mV
	Current	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA
Read back resolution	Voltage	0.1mV	0.1mV	0.1mV	0.1mV	0.1mV	0.1mV
	Current	0.1mA/1uA	0.1mA/1uA	0.1mA/1uA	0.1mA/1uA	0.1mA/1uA	0.1mA/1uA
Setting accuracy (25°C±5°C)	Voltage	≤0.1%+5mV	≤0.1%+5mV	≤0.1%+5mV	≤0.1%+5mV	≤0.1%+5mV	≤0.1%+5mV
	Current	≤0.2%+1mA	≤0.2%+1mA	≤0.2%+1mA	≤0.2%+1mA	≤0.2%+1mA	≤0.2%+1mA
Read back accuracy (25°C±5°C)	Voltage	≤0.1%+1mV	≤0.1%+1mV	≤0.1%+1mV	≤0.1%+1mV	≤0.1%+1mV	≤0.1%+1mV
	Current	≤0.2%+1mA/5uA	≤0.2%+1mA/5uA	≤0.2%+1mA/5uA	≤0.2%+1mA/5uA	≤0.2%+1mA/5uA	≤0.2%+1mA/5uA
Ripple and noise (25°C±5°C)	Voltage	5mVrms	3mVrms	3mVrms	3mVrms	3mVrms	3mVrms
	Current	5mA rms	3mA rms	3mA rms	3mA rms	3mA rms	3mA rms
Temperature coefficient	Voltage	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm
	Current	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm
Machine size (W*H*D)	mm	260*120*402	260*120*402	260*120*402	260*120*402	260*120*402	260*120*402
Packing size (W*H*D)	mm	330*205*487	330*205*487	330*205*487	330*205*487	330*205*487	330*205*487
Net weight	kg	9.9	7.8	8.2	9	7.8	7.8
Gross weight	kg	11.4	9.3	9.7	10.5	9.3	9.3
Rise time		< 20ms					

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