4CH Programmable DC Power Supply

MFP-3000 Series

CE

Features

- 4-channel and maximum total output power of 384W
- Each channel has a rated maximum power of 160W, a maximum output voltage of 32V, and a maximum output current of 10A
- List sequence output function
- Synchronous output, in synchronous mode, if any parameter is changed, the corresponding parameters of other channels will also change proportionally

- Electronic fuses. Limits for all protection functions can be configured separately for each channel, and the delay time of electronic fuses can be set
- Simulate battery charging curve function
- Remote voltage compensation function to ensure usage accuracy
- All channels have overload and short circuit protection
- OCP/OVP/OTP protection function
- Widely used in laboratory and ATE applications

Standard RS-232 ☑ USB☑ SENSE☑   Optional LAN ☐

Model		MFP-3003	MFP-3004
Rated input voltage		AC 110V/220V±10%	
Ouput		All channel outputs are currently isolated and ungrounded	
Rated output power		160W*3CH	160W*4CH
Rated output voltage		0-32V*3CH	0-32V*4CH
Rated output current		0-10A*3CH	0-10A*4CH
Variable pressure mode		Linear power supply	Linear power supply
Maximum voltage when connected in series		96V	128V
Maximum current when connected in parallel		30A	40A
Load regulation rate	Voltage	≤0.01 % + 2 mV	
	Current	≤0.01 % + 250 µA	
Power supply regulation	Voltage	≤0.01% + 2 mV	
	Current	≤0.01% + 250 µA	
Set value resolution	Voltage	1mV	
	Current	< 1 A: 0.2mA; ≥ 1 A: 1 mA	
Setting accuracy (25℃±5℃)	Voltage	≤0.05% + 5 mV	
	Current	≤ 0.1% + 5 mA	
Readback value resolution	Voltage	1mV	
	Current	< 1 A: 0.2mA; ≥ 1 A: 1 mA	
Readback accuracy (25℃±5℃)	Voltage	≤0.05% + 5 mV	
	Current	≤ 0.1% + 2 mA	
Ripple(20Hz-20MHz)	Voltage	≤1.5 mV (RMS)	
	Current	≤1 mA (RMS)	
Temperature	Operational environment	5 to 40℃≤ 80% R.H	
	Storage environment	-20 to 70℃≤ 80% R.H	
Sense compensate	Maximum voltage compensation	1V	
Remote communication time	Handling	< 50 ms	
Electronic fuse	Response time	< 10 ms	
	Fuse delay	0 ms to 250 ms (10 ms step)	
Interface	Standard	RS-232+USB	
	Optional	LAN	
Size(W*H*D, mm)	mm	285 × 136 × 405	
Net weight	kg	14kg	