

DC Power Supply

MPS-300 Series



Features

- Resolution: Voltage 1mV, current 0.1mA, power 1mW
- High brightness color screen display, clear power status at a glance
- Voltage and current can be set through a numeric keypad and knob
- Three sets of voltage and current storage and recall functions, convenient and fast
- Output switch control, easy to control
- Input voltage 110V/220V switching, globally applicable
- Voltage remote compensation function ensures accuracy of use
- Intelligent temperature controlled fan, extremely practical
- External USB drive with file saving and reading functions
- Battery charging function
- List editing and output function
- Adjustable upward slope
- External triggering function
- Signal output function

Applications

- Prouduction line work bench routine test
- Lab and institute
- Electronic repair
- Automated equipment integration testing

Standard RS-232 ☒ RS-485 ☒ USB ☒ SENSE ☒

Optional Analog control ☐

Model		MPS-300	MPS-301	MPS-302	MPS-303	MPS-304	MPS-305	MPS-306	MPS-307	MPS-308
Rated output voltage		0~36V	0~36V	0~36V	0~60V	0~60V	0~80V	0~160V	0~300V	0~500V
Rated output current		0~3A	0~6A	0~10A	0~3A	0~6A	0~2A	0~1A	0~0.5A	0~0.3A
Rated output power		108W	216W	360W	180W	360W	160W	160W	150W	150W
Load regulation rate	Voltage	0.05%+8mV	0.05%+5mV	0.05%+8mV	0.05%+10mV	0.05%+5mV	0.05%+8mV	0.05%+5mV	0.05%+10mV	0.05%+10mV
	Current	0.1%+5mA	0.1%+5mA	0.1%+5mA	0.1%+8mA	0.1%+5mA	0.1%+5mA	0.1%+5mA	0.1%+5mA	0.1%+5mA
Line regulation rate	Voltage	0.05%+8mV	0.05%+5mV	0.05%+8mV	0.05%+10mV	0.05%+5mV	0.05%+8mV	0.05%+5mV	0.05%+5mV	0.05%+5mV
	Current	0.1%+5mA	0.1%+5mA	0.1%+5mA	0.1%+8mA	0.1%+5mA	0.1%+5mA	0.1%+5mA	0.1%+5mA	0.1%+5mA
Setting resolution	Voltage	1mV	1mV	1mV	1mV	1mV	1mV	10mV	10mV	10mV
	Current	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA
Read back resolution	Voltage	1mV	1mV	1mV	1mV	1mV	1mV	10mV	10mV	10mV
	Current	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA
Setting accuracy (25°C±5°C)	Voltage	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+3digits	≤0.1%+3digits	≤0.1%+3digits
	Current	≤0.2%+3digits	≤0.2%+3digits	≤0.2%+3digits	≤0.2%+6digits	≤0.2%+3digits	≤0.2%+3digits	≤0.2%+3digits	≤0.2%+3digits	≤0.2%+3digits
Read back accuracy (25°C±5°C)	Voltage	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+3digits	≤0.1%+3digits	≤0.1%+3digits
	Current	≤0.2%+3digits	≤0.2%+3digits	≤0.2%+3digits	≤0.2%+6digits	≤0.2%+3digits	≤0.2%+3digits	≤0.2%+3digits	≤0.2%+3digits	≤0.2%+3digits
Ripple and noise (25°C±5°C)	Voltage	1.5mVrms	1.5mVrms	1.5mVrms	2mVrms	2mVrms	2mVrms	5mVrms	10mVrms	10mVrms
	Current	3mA _{rms}	3mA _{rms}	6mA _{rms}	3mA _{rms}	3mA _{rms}	3mA _{rms}	3mA _{rms}	3mA _{rms}	3mA _{rms}
Temperature coefficient	Voltage	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm
	Current	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm
Machine size (W*H*D)	mm	111*170*250	111*170*250	111*170*250	111*170*250	111*170*250	111*170*250	111*170*250	111*170*250	111*170*250
Net weight	kg	4.5	5.6	6.7	5.6	7	5.6	5.6	5.6	5.6