

Single Channel DC Programmable Power Supply

MPS-300 Series



- Standard
- RS-232
- RS-485
- USB
- SENSE
- Analog control
- Optional
- LAN

Features

- Resolution: Voltage 1mV, current 0.1mA, power 1mW
- Input voltage 110V/220V switching, globally applicable
- Voltage remote compensation function ensures accuracy of use
- External USB drive with file saving and reading functions
- Battery charging function
- List editing and output function
- Adjustable upward slope
- External triggering function

Applications

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

Model		MPS-301	MPS-302	MPS-303	MPS-304	MPS-305	MPS-306	MPS-307	MPS-308	MPS-309	MPS-310
Rated output voltage		0~20V	0~20V	0~36V	0~36V	0~36V	0~60V	0~60V	0~80V	0~100V	0~160V
Rated output current		0~6A	0~10A	0~3A	0~6A	0~10A	0~3A	0~6A	0~2A	0~1A	0~1A
Rated output power		120W	200W	108W	216W	360W	180W	360W	160W	100W	160W
Load regulation rate	Voltage	0.05%+8mV	0.05%+10mV	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%+3mA	0.1%+5mA	0.1%+3mA	0.1%+3mA	0.1%+5mA	0.1%+3mA	0.1%+3mA	0.1%+3mA	0.1%+3mA	0.1%+3mA
Line regulation rate	Voltage	0.05%+8mV	0.05%+10mV	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%+3mA	0.1%+5mA	0.1%+3mA	0.1%+3mA	0.1%+5mA	0.1%+3mA	0.1%+3mA	0.1%+3mA	0.1%+3mA	0.1%+3mA
Setting resolution	Voltage	1mV	1mV	1mV	1mV	1mV	1mV	1mV	1mV	1mV	1mV
	Current	0.1mA	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	1mV	1mV	1mV	1mV
	Current	0.1mA	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%+5mV	≤0.1%+5mV	≤0.1%+5mV	≤0.1%+5mV	≤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	≤0.2%+1mA	≤0.2%+1mA	≤0.2%+1mA	≤0.2%+1mA
Read back accuracy (25°C±5°C)	Voltage	≤0.1%+5mV	≤0.1%+5mV	≤0.1%+5mV	≤0.1%+5mV	≤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	≤0.2%+1mA	≤0.2%+1mA	≤0.2%+1mA	≤0.2%+1mA
Ripple and noise (25°C±5°C)	Voltage	5mVrms	8mVrms	5mVrms	5mVrms	8mVrms	5mVrms	8mVrms	10mVrms	15mVrms	15mVrms
	Current	3mA _{rms}	6mA _{rms}	2mA _{rms}	5mA _{rms}	6mA _{rms}	2mA _{rms}	3mA _{rms}	2mA _{rms}	2mA _{rms}	2mA _{rms}
Temperature coefficient	Operating	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm
	Storage	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm
Machine size (W*H*D)	mm	110*183*288	110*183*345	110*183*288	110*183*288	110*183*345	110*183*288	110*183*288	110*183*345	110*183*345	110*183*345
Net weight	kg	4.5	5.6	6.7	5.6	7	5.6	5.6	5.6	5.6	5.6
Rise time		< 10mS									