

MPS-270

DC power supply

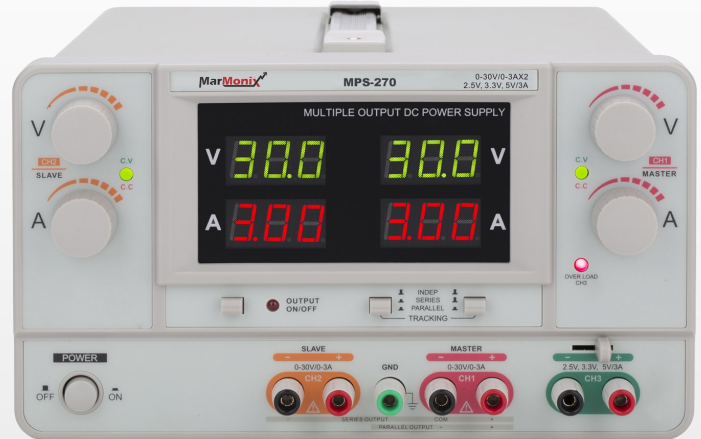
Overview:

The MPS-270 is linear DC power supply with 3 channels, 195W to 315W output. In constant voltage and current operations, the power supply provides high regulation and low ripple & noise. Auto series and parallel operations double output voltage and current. Heat sink and automatic cooling fan control give sufficient cooling to the power supply and minimize fan noise. The output ON/OFF control and preset voltage & current function protect the power supply and related loads from unexpected damages. The MPS-270 is widely used in applications of powering operational amplifier, push pull stages, logic circuit and definition systems.

Features:

- Two independent adjustable outputs: 0~30V/3A/5A x2
- One fixed output 2.5V/3.3V/5V/3A
- Minimum resolution: 100mV/10mA
- Digital panel control, Coarse/Fine volume control for voltage and current
- 4 sets panel settings save & recall
- Panel lock
- Preset voltage and current
- Output ON/OFF
- Auto tracking, Auto Series and Parallel operation
- Intelligent cooling fan control
- USB interface for PC control

Applications:



Model	MPS-270	
Output	0~30V/0~5A x2, fixed 5V/3A	
Constant voltage operation		
Line regulation	≤0.01%+3mV	
Load regulation	≤0.02%+5mV	
Ripple & Noise	≤2mVrms	
Constant current operation		
Line regulation	≤0.2%+3mA	
Load regulation	≤0.2%+5mA	
Ripple & Noise	≤6mArms	
Tracking operation		
Parallel	Line regulation	≤0.01%+3mV
	Load regulation	≤0.02%+5mV
	Line regulation	≤0.01%+5mV
Series	Load regulation	≤300mV
	Tracking error	≤0.5%+10mV of the master, no load (with load, add load regulation≤300mV)
Fixed output		
Output voltage	5V±0.25V	
Output current	3A	
Line regulation	≤25mV	
Load regulation	≤25mV	
Ripple & noise	≤2.0mVrms	
Protection	Over load and reverse polarity protections	
Display		
Voltmeter	3 digits LED display	
Ammeter	3 digits LED display	
Resolution	100mV/10mA	
Accuracy	Voltage	±(0.5% reading+2digits)
	Current	±(1% reading+2digits)
Protection	Over load and reverse polarity protections	
Power source	AC110V, AC220V or AC110V/220V±10%, 50/60Hz	
Operating environment	0°C~40°C, ≤80%RH	
Storage environment	-10°C~70°C, ≤70%RH	
Accessories	Power cord x1, Operation manual x1, Test lead x1	