

DIGITAL CONTROL DC POWER SUPPLY PS-3010D-3C



The Wavecom PS-3010D-3C is a high quality 3 Channel Digital Power Supply.

It is a constant voltage and constant current with series and parallel functions e.g. this power supply can be configured in series mode to provide 0-60 VDC @ 5A or it can be configured to provide 0-30 VDC @ 20A. There is also a third channel that supplies 5 VDC @ 3A.

This power supply unit comes with overload, short circuit and overheating protection which meets all industry needs such as defence, development laboratory, heavy industry, training and production applications.

Features

- ◆ Constant Voltage
- ◆ Constant Current
- ◆ Very Low Noise and Ripple
- ◆ Short Circuit Protection
- ◆ Overload Protection & Reverse Polarity Protection
- ◆ Independent Series and Parallel Operation
- ◆ Adjustable Current Limit
- ◆ 0-30 VDC @ 10A x 2 channels & 30DC @ 3A

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SPECIFICATIONS

POWER SUPPLY PS-3010D-3C

Function	Voltage Range 0-30V	Current Range 0-10A
Load Regulation	$\leq 0.01\% + 5\text{mv}$	$\leq 0.2\% + 5\text{mA}$
Line Regulation	$\leq 0.01\% + 2\text{mv}$	$\leq 0.2\% + 2\text{mA}$
Input Voltage	207-253V AC (50Hz)	
Setup Accuracy (25°C + 5°C)	$\leq 0.5\% + 20\text{mV}$	$\leq 0.5\% + 5\text{mA}$
Ripple and Noise	$\leq 1\text{mV Rms}$	$\leq 6\text{mA Rms}$
Temp. Coefficient	$\leq 100\text{ppm} + 10\text{mV}$	$\leq 100\text{ppm} + 5\text{mA}$
Protection	Constant Current or Short Circuit Protection	
Read Back Temp. Coefficient	$\leq 100\text{ppm} + 10\text{mV}$	$\leq 100\text{ppm} + 5\text{mA}$
Voltage Indication Accuracy	LED $\pm 1\% + 2$ digits	
Operation Environment	Indoor use, Altitude: $\leq 2000\text{m}$ Ambient temperature 0-40°C Relative humidity $\leq 80\%$	
Interfaces	N/A	N/A
Accessories	User manual, Power cord (1.2M)	
Dimension	365(W)x265(H)x144(D)	
Storage Environment	Ambient temperature—10°C—70°C Relative humidity $\leq 70\%$	

Order Information

Power Supply

| Part No: **WCM—PS-3010D--3C**

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