

SPECIAL PURPOSE POWER SUPPLY

PSD - 3030 / 5020

High Power Industrial Grade Linear Mode DC Regulated Power Supply
w/ Remote Sensing/ Analogue Remote Control/ Adjustable Tracking OVP



Description

This industrial grade linear mode circuitry design ensures consistent low ripple and noise for this series of 900W power supplies. Coarse and fine voltage control for quick and precise voltage adjustment, automatic cross over CC mode with current control.

The unique wide range adjustable tracking OVP is made especially for various voltage sensitive loads that the usual factory preset OVP cannot cover. This special feature also makes simulation of battery in the test of UPS or charger workable without prematurely shut down due to factory preset OVP.

Analogue remote control terminals (voltage, current, and output on/off) and Remote sensing make these power supplies suitable for any location from the loads.

With optional accessories the unit can be converted easily to rack mountable unit.

Features

- Low ripple and noise
- Adjustable tracking OVP (10-100% PSD-3030, 10-80% PSD-5020)
- Analogue Remote control functionality
- Remote sensing for precise applied loading voltage
- Automatic cross over CC, CV mode
- 4 digit LED display meters
- Rack mountable

Specifications

Models	PSD-3030	PSD-5020
Output Voltage	0-30VDC	0-50VDC
Output Voltage Control	Coarse & Fine Potentiometer	
Output Current	0-30A	0-18A
Output Current Control	One Potentiometer	
Output Rated Power	900W	
Ripple & Noise (r.m.s.)	4mV	6mV
Load Voltage Regulation	0.02% +5mV	
Line Voltage Regulation	0.02% +5mV	
Load Current Regulation	0.2% +10mA	0.1% +10mA
Line Current Regulation	0.1% +10mA	
Input Voltage	230VAC 50Hz~ (120VAC 60Hz~ or on request)	
Display Meter	4 digit LED display (Voltmeter & Ammeter)	
Meter's Accuracy	±0.5% +3 count	
Indicators	Constant Current & Constant Voltage LED Indicators	
Cooling System	Constant Speed Fan	
Operating Temperature	0 - 40°C	
Special Feature	Analogue Remote Control output ON/OFF, Voltage & Current, Remote Sensing	
Protections	Tracking OVP (over voltage protection) 10-100% adjustable for PSD-3030 / 10-80% adjustable for PSD-5020, Over Temperature, Short Circuit	
Approvals	Designed and Manufactured to meet CE	
Dimensions (WxHxD)	357x186x441 mm 14x7.3x17.4 inch	
Weight	Approx. 28 kgs / 62 lbs	

■ All values are based on the Standard ambient Temperature 25°C and Pressure 0.1Mpa.

■ SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE