

High Power Industrial Grade Linear Regulated Power Supply With Remote Sensing / Remote Control and adjustable tracking OVP

PSD - 3030 / 5020 (Linear mode)

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.

Full 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)
- Full Remote control functionality
- Remote sensing for precise applied loading voltage
- Automatic cross over CC, CV mode
- 4 digit LED display meters
- Rack mountable



Specifications

	PSD-3030	PSD-5020
Output Voltage	0 - 30Vdc	0 - 50Vdc
Output Voltage Control	Coarse and 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 Regulation (voltage)	0.02% +5mV	
Line Regulation (voltage)	0.02% +5mV	
Load Regulation (current)	0.2% +10mA	0.1% +10mA
Line Regulation (current)	0.1% +10mA	
Input Voltage	230Vac, 50Hz~ (or on request)	
Display Meter	4 digits - Display LED Ammeter and Voltmeter	
Meters' Accuracy	±0.5% +3 counts	
Indicators	Constant Current and Constant Voltage LED Indicators	
Cooling System	Constant Speed Fan	
Operating Temperature	0 - 40°C	
Special Feature	Remote Output ON / OFF, Voltage and Current Control, 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	CE EMC : EN 55011, LVD : EN 61010	
Dimensions (WxHxD)	357 x 186 x 441 mm / 14 x 7.3 x 17.4in.	
Weight	Approx. 28kgs / 62lbs	

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

* SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE *