

# 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

	<b>PSD-3030</b>	<b>PSD-5020</b>
<b>Output Voltage</b>	0 - 30Vdc	0 - 50Vdc
<b>Output Voltage Control</b>	Coarse and Fine Potentiometer	
<b>Output Current</b>	0 - 30A	0 - 18A
<b>Output Current Control</b>	One Potentiometer	
<b>Output Rated Power</b>	900W	
<b>Ripple &amp; Noise (r.m.s.)</b>	4mV	6mV
<b>Load Regulation (voltage)</b>	0.02% +5mV	
<b>Line Regulation (voltage)</b>	0.02% +5mV	
<b>Load Regulation (current)</b>	0.2% +10mA	0.1% +10mA
<b>Line Regulation (current)</b>	0.1% +10mA	
<b>Input Voltage</b>	230Vac, 50Hz~ (or on request)	
<b>Display Meter</b>	4 digits - Display LED Ammeter and Voltmeter	
<b>Meters' Accuracy</b>	±0.5% +3 counts	
<b>Indicators</b>	Constant Current and Constant Voltage LED Indicators	
<b>Cooling System</b>	Constant Speed Fan	
<b>Operating Temperature</b>	0 - 40°C	
<b>Special Feature</b>	Remote Output ON / OFF, Voltage and Current Control, Remote Sensing	
<b>Protections</b>	Tracking OVP (Over Voltage Protection) (10% - 100% Adjustable for PSD-3030) (10% - 80% Adjustable for PSD-5020) Over Temperature, Short Circuit	
<b>Approvals</b>	CE EMC : EN 55011, LVD : EN 61010	
<b>Dimensions (WxHxD)</b>	357 x 186 x 441 mm / 14 x 7.3 x 17.4in.	
<b>Weight</b>	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 \*