

LPS 1000/1200 Power Supplies



The LPS series power supplies are designed for various applications in semiconductor equipment along with OEM and industrial applications. Available for use in constant current or constant voltage applications. The LPS series is a compact reliable power source that can be customized to your requirements.

Features:

- Constant Current or Voltage
- 1000 & 1200 watt Versions
- 200 to 240VAC input
- Output voltage to 1000V
- Output current to 100 amps

Specifications

Input Characteristics	
Input Voltage	200 to 240 VAC $\pm 10\%$ 47 to 63 Hz.
Efficiency	> 82%
Input Current	8 amps max.
Inrush Current	10 amps max.
Leakage Current	1mA
Output Characteristics	
Output Voltage	5 to 1000 volts
Output Current	200 amps (not to exceed wattage rating)
Ripple	0.5%
Line Regulation	0.5%
Load Regulation	0.5%
Temperature Drift	0.5% over temperature range after 30 minute warm-up
Overshoot	<1%
Power Limit	Limited to maximum power with power fold-back circuit
Rise/Fall Time	2 to 20ms, output voltage dependent
Protection	
OverTemperature	unit will shut down when heatsink temp exceed 75° C
Over Voltage	105% of rated voltage
Over Current	105% of rated current
Environmental	
Operating Temperature	0 to 40° C
Storage Temperature	-20 to 85°C
Humidity	0 to 90% non-condensing
Cooling	Forced Air



Interface (15 pin D-sub, Female)

Pin #	Pin Name	Voltage Level	Description
1	V-Program (Input)	V-Program. 0 – 5V or 0 – 10V Full-Scale by externally accessible DIP switch	Position 3 on the DIP switch determines Full-Scale program level for output voltage. ON = 5V. OFF = 10V. Note: Accuracy will be compromised when operating below 30% of the maximum value
2	I-Program (Input)	I-Program. 0 – 5V or 0 – 10V Full-Scale by externally accessible DIP switch.	Position 4 on the DIP switch determines Full-Scale program level for output Current. ON = 5V. OFF = 10V. Note: Accuracy will be compromised when operating below 30% of the max value
3	Current Monitor (Output)	100mV Full Scale or 5V Full Scale by externally accessible DIP switch.	Position 6 on the DIP switch determines Full-Scale level for Current Monitor. ON = 100mV. OFF = 5V.
5	Ground	Analog GND	GND
6	Fault Emitter (output)	Fault: Opto = ON.	Emitter of an opto coupler for system Fault. Opto Coupler is completely floating.
11	Fault Collector (output)	Fault: Opto = ON.	Collector of an opto coupler for system Fault. Opto Coupler is completely floating.
14	10.24V Ref	10.24V @ 50mA	Can be used for system reference
15	Voltage Monitor (output)	5V Full Scale or 10V Full Scale by externally accessible DIP switch.	Position 1 on the DIP switch determines Full-Scale level for Voltage Monitor. Open = 5V. Close = 10V.
All others NC			

