LPS 6500 Watt Power Supplies

Features:

- Constant Current or Voltage
- 6500 watts maximum output
- 200 to 240V/380 to 480V, 3Ø input
- Output voltage to 200V
- Output current to 300 amps

The LPS 6500 power supplies are designed for various applications in semiconductor equipment along with driving laser diodes, 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.

Specifications

Input Characteristics	
Input Voltage	**200 to 240/380 to 440VAC ±10% 47 to 63 Hz.**
Efficiency	**> 90%**
Power Factor	**.90 @ 200V, .75 @ 440V**
Leakage Current	**1mA**
Output Characteristics	
Output Voltage	**5 to 200 volts**
Output Current	**300 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 75º C**
Over Voltage	**105% of rated voltage**
Over Current	**105% of rated current**
Environmental	
Operating Temperature	**0 to 40º C**
Storage Teperature	**-20 to 85ºC**
Humidity	**0 to 90% non-condensing**
Cooling	**Forced Air**

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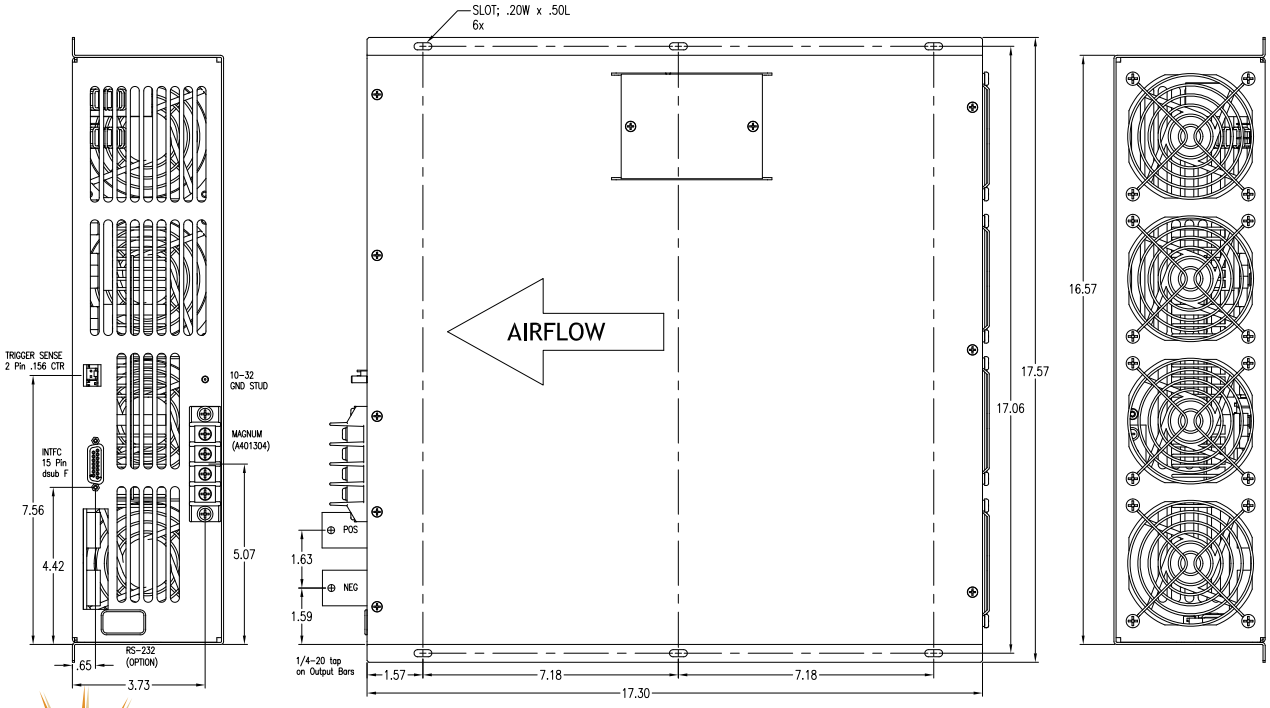
RoHS

LPS Interface (15 Pin D-sub Female)

Pin #	Pin Name	Functional Voltage Level	Description
1	Enable (input)	High = RUN = +5V to +15V Low = OFF = 0V	The Enable function turns the output section of the power supply ON and OFF. When the power supply is enabled, current is delivered to load as programmed via Iprogram(+), Pin 7. Rise times resulting from Enable are approximately 25msec.
2	V Program	0 to 10V = 0 to full voltage	The power supply output coltage is set by applying a 0-10V analog signal to Vprogram(+). **Note: Accuracy will be compromised when operating below 30% of the maximum value**
3	Interlock (input)	Open = OFF Connect to GND = RUN	The Interlock function can be connected to external interlock switches such as door or overtemp switches.
4	GND		Referred to (-) output of power supply.
5	Vout Monitor: (output)	0 – 10V = 0 – Voutmax*	The output voltage of the supply can be monitored by Vout Monitor.
6	Iout Monitor (output)	0 – 10V = 0 – Ioutmax	The output current of the supply can be monitored by Iout Monitor.
7	Iprogram(+): (input)	0 – 10V = 0 – Ioutmax	The power supply output current is set by applying a 0-10V analog signal to Iprogram(+). **Note: Accuracy will be compromised when operating below 30% of the maximum value**
8	N/C		
9	GND		Referred to (-) output of the power supply.
10,11	+5V @ 0.2A (output)		Auxiliary +5V power supply for user. Up to 0.5A output current capability.
12	-15V @0.2A (output)		Auxiliary -15V power supply for user. Up to 0.5A output current available.
13,14	+15V @0.2A (output)		Auxiliary +15V power supply for user. Up to 0.5A output current available.
15	Gnd		Referred to (-) output of the power supply.



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