Lumina Power, INC.

Robotics

Semiconcuctor Equipment

DC Power Supplies

Manufacturing Equipment

Lab Equipment

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sales@luminapower.com

Lumina Power, INC.

Why Lumina Power?

Lumina is the largest supplier of OEM laser power supplies
Our excellent pricing and fast delivery services earn us lifelong customers
We offer the most complete line of high power Laser Diode Drivers
Capacitor Charging power supplies with all popular options
Xenon & Mercury Arc Lamp power supplies and "short pulse" ignitors
Innovative custom products from prototype to volume manufacturing
Reliable sales & technical support worldwide.

With experience in high voltage (>300kV) and high power (>150kW), our R&D department can adapt configurations from our library of power supply topologies to meet any requirement imaginable.

Lumina Power, Inc. manufactures a complete line of Capacitor Charging Power Supplies, Capacitor Chargers, laser diode drivers, laser power supplies and Xenon arc lamp power supplies. With over twenty-five years of cumulative power supply design and manufacturing expertise, Lumina Power is able to offer standard and custom laser power designs that solve challenging OEM applications and meet stringent agency safety and emission requirements. Lumina Power's products include high power laser diode drivers, capacitor charging power supplies and Xenon & Mercury arc lamp power supplies.

Lumina Power, INC.

DC Power Supplies

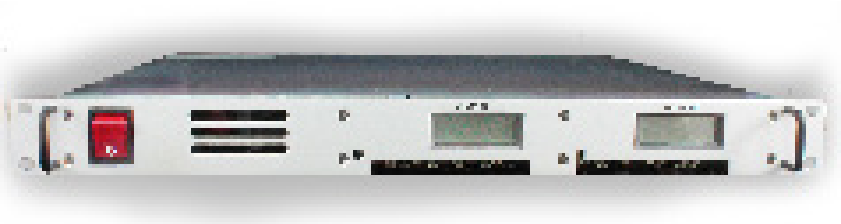
LPS Series DC Power Supplies

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 they are available in power levels from 1,000 to 13,500 Watts. Common applications include heater, filament and magnet supplies along with test and burn-in applications. All models can be paralleled for increased power and custom configurations are available.

LPS Features

Constant Current or Voltage
1000 to 13,500 watts output
Power Factor Correction (single phase versions)
Universal 200V to 240V or 380V to 480V, 3 Phase models
Output voltage to 1000V
Output current to 300 amps

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 200 amps

Specifications

Input Characteristics	
Input Voltage	**200 to 240 VAC ±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 Teperature	**-20 to 85°C**
Humidity	**0 to 90% non-condensing**
Cooling	**Forced Air**

Lumina Power, INC.

RoHS

LPS 4500 Watt Power Supplies

Features:

- Constant Current or Voltage
- 4500 watts maximum output
- 200 to 240VAC single phase
- Output voltage to 200V
- Output current to 200 amps

The LPS 4500 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 240VAC ±10% 47 to 63 Hz. single phase**
Efficiency	**> 85%**
Power Factor	**> .98**
Leakage Current	**1mA**
Output Characteristics	
Output Voltage	**5 to 200 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 Teperature	**-20 to 85°C**
Humidity	**0 to 90% non-condensing**
Cooling	**Forced Air**

Lumina Power, INC.

RoHS

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 250 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	**250 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**

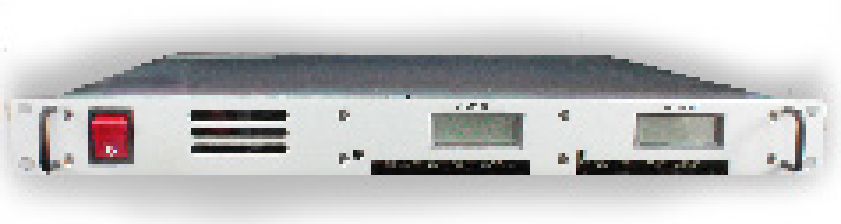
Lumina Power, INC.

RoHS

CE

www.luminapower.com

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 200 amps

Specifications

Input Characteristics	
Input Voltage	**200 to 240 VAC ±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 Teperature	**-20 to 85°C**
Humidity	**0 to 90% non-condensing**
Cooling	**Forced Air**

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RoHS

CE

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Lumina Power, INC.

We Excel at Customer Service!

Lumina Power is dedicated to providing immediate response to our customers. To place an order, get technical assistance, delivery updates or quotations, please contact our customer service group: 978-241-8260 or send us an email for a quick response. Hours of operation are 8AM to 4:30PM (GMT-5), Monday through Friday.

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