

# LPS 10,000/13,500W Power Supplies



## Features:

- Constant Current or Voltage
- 10,000 & 13,500 watt versions
- 200 to 240V/380 to 480V, 3Ø input
- Output voltage to 200V
- Output current to 250 amps

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.

## Specifications

| <b>Input Characteristics</b>  |   |
|-------------------------------|---|
| Input Voltage                 | 200 to 240/380 to 440VAC $\pm$ 10% 47 to 63 Hz.       |
| Efficiency                    | > 90%   |
| Power Factor                  | .90 @ 200V, .75 @ 440V                                |
| Inrush Current                | 10 amps max.  |
| Leakage Current               | 1mA   |
| <b>Output Characteristics</b> |   |
| 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                   |
| <b>Protection</b>             |   |
| OverTemperature               | unit will shut down when heatsink temp exceed 75° C   |
| Over Voltage                  | 105% of rated voltage                                 |
| Over Current                  | 105% of rated current                                 |
| <b>Environmental</b>          |   |
| Operating Temperature         | 0 to 40° C  |
| Storage Temperature           | -20 to 85°C   |
| Humidity                      | 0 to 90% non-condensing                               |
| Cooling                       | Forced Air  |



## Interface ( 25 pin D-sub Female)

| Pin Number        | Function  |
|-------------------|---|
| 1                 | ON/OFF. Default = High = ON                                     |
| 7                 | Current Monitor, 5V or 10V full Scale based on I Program Switch |
| 10                | 5 V I Program / V Program ( 0 to 5V= 0 to full scale)           |
| 16                | 10V I Program / V Program ( 0 to 10V = 0 to full scale)         |
| 19                | Voltage Monitor, 5V or 10V full Scale based on V Program Switch |
| 2,4,6,20,23,24,25 | GND   |
| All other pins    | N/C Do not use  |

