

- Universal AC Input with PFC
- High Efficiency up to 90%
- High Reliability, 3 Year Warranty
- Short Circuit, Over Voltage, Over Load, Over Temperature Protection
- Full Approvals : UL/CUL/TUV/CB/CE
- Remote On/Off Control
- Remote Sense, Power Good Signal
- Wide Output Trim 20-110%
- Current Share (up to 3 units = 8,100 Watts)



Specification

| | |
|---------------------------------|--|
| Input Voltage..... | 180~264 VAC, 47~63 Hz (254-370 VDC) |
| Power Factor..... | 0.95 @ 230 VAC |
| Output Voltage..... | See table below (plus +/- 10% potentiometer adjustment range) |
| Output Trim Facility..... | 20-110% by external resistor or voltage signal |
| Parallel Operation..... | Up to 3 identical units, derate to 90% maximum power |
| Over Load Protection..... | 100~110% O/P Constant Current, shut down after 5 secondsor can be set for continuous constant current output. |
| Over Voltage Protection..... | 12 V = 13.8~16.8V, 24 V = 28.8~33.6V, 48 V = 57.6~67.2V |
| Set Up, Rise, Hold Up Time..... | typ 1000ms, 80ms, 10ms @ Full Load |
| Withstand Voltage..... | I/P-O/P: 3 kVAC, I/P-F/G: 1.5kVAC, O/P-F/G: 0.5kVAC |
| Operating Temperature | -20 to +70 °C, see derating curve |
| Safety Standards..... | UL60950-1 TUV EN60950-1 |
| EMC..... | EN55022, (CISPR22) EN61000-4-2,3,4,5,6,8,11 EN61000-3-2,3 ENV50204, EN55024 Light Industrial Level Criteria A |
| Mechanical | 278 x 177.8 x 63.5 mm (plus connections & fans to length) |
| Connections Input & Output..... | Screw Terminals & Bus Bars |

Models and Ratings

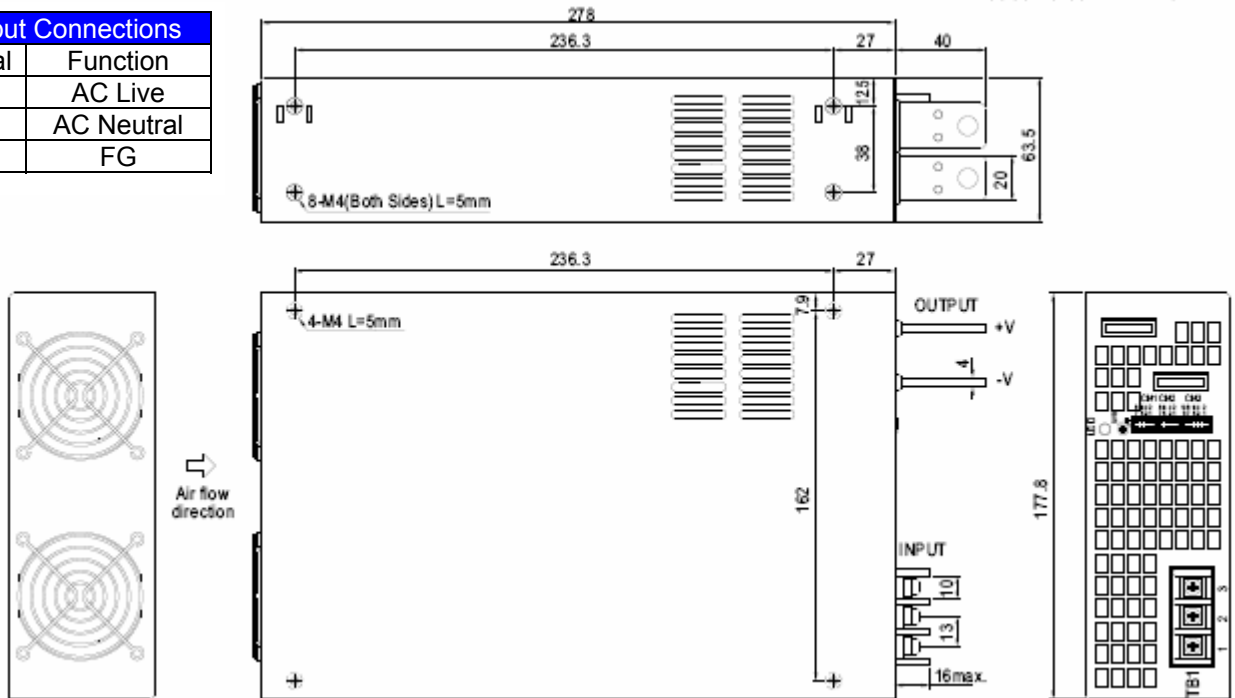
| Model | Output Voltage | Output Range | Output Current | Efficiency |
|-------------|----------------|---------------|----------------|------------|
| RSP-3000-12 | 12 V | 2.4 to 13.2 V | 200 A | 86 % |
| RSP-3000-24 | 24 V | 4.8 to 28 V | 125 A | 89 % |
| RSP-3000-48 | 48 V | 9.6 to 56 V | 62.5 A | 90 % |

Please see next page for mechanical drawings.

3000 Watt, RSP-3000 Series, Enclosed Power Supply

ALL PSU LTD
Electronic Power Solutions

| AC Input Connections | |
|----------------------|------------|
| Terminal | Function |
| 1 | AC Live |
| 2 | AC Neutral |
| 3 | FG |



| Control Pin No. Assignment (CN1, CN2) : HRS DF11-8DP-2DS Or Equivalent | | | | | |
|--|------------|--------|--------------------|-------------------------------|--------------------------------|
| Pin No | Assignment | Pin No | Assignment | Mating Housing | Terminal |
| 1 | RCG | 5,7 | -S | HRS DF11-8DS Or Equivalent | HRS DF11-**SC Or Equivalent |
| 2 | RC | 6 | CS (Current Share) | | |
| 3 | PV | 8 | +S | | |
| 4 | PS | | | | |

RCG : Remote on/off Ground

PS : Reference Voltage Terminal

+S : + Remote Sensing

RC : Remote on/off

-S : - Remote Sensing

PV : Output Voltage External Control

CS : Load Share

| Control Pin No. Assignment (CN3) : HRS DF11-10DP-2DS Or Equivalent | | | | | | | |
|--|------------|--------|------------|--------|------------|--------------------------------|--------------------------------|
| Pin No | Assignment | Pin No | Assignment | Pin No | Assignment | Mating Housing | Terminal |
| 1 | P OK GND | 4 | P OK 2 | 7 | AUXG | HRS DF11-10DS Or Equivalent | HRS DF11-**SC Or Equivalent |
| 2 | P OK | 5 | RCG | 8 | AUX | | |
| 3 | P OK GND 2 | 6 | RC | 9 | OLP | | |
| | | | | 10 | OL-SD | | |

P OK GND : Power OK Ground

AUXG : Auxiliary Ground

OLP : OLP Signal

P OK : Power OK Signal

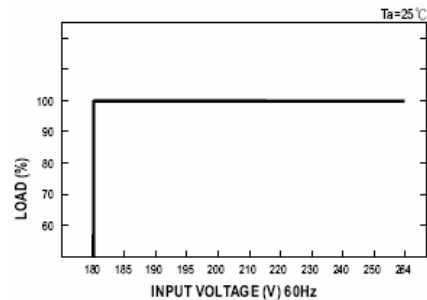
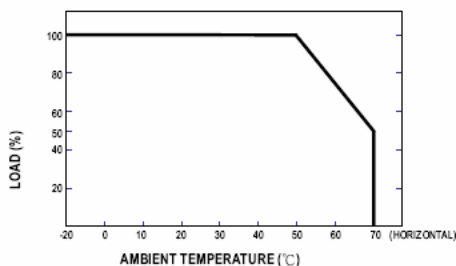
RC : Remote on/off

OL-SD : OLP Shutdown Signal

RCG : Remote on/off Ground

AUX : Auxiliary Output (12 V / 0.1 A)

Derating, (Input AC Supply & Temperature)



Specifications may change without notice. E&OE. ALL PSU Terms & Conditions apply.

**ALL PSU Ltd, Unit D6 Laser Quay, Culpeper Close, Medway City Estate,
Rochester, Kent, ME2 4HU, Tel : 01634 725527, Fax : 01634 739111,
Email : sales@allpsu.co.uk Web : www.allpsu.co.uk**