

# RSP-3000 Series

## 3000W Single Output Power Supplies



### FEATURES

- AC input active surge current limiting
- High efficiency up to 90%
- Active PFC, PF>0.95
- Short circuit, overload, over voltage, over-temperature, fan alarm protections
- Forced air cooling by built-in fan
- Output voltage adjustment 20-110%
- Current sharing up to 2 units
- Alarm signal output
- Built-in 12V/0.1A aux. output for remote control
- Built-in remote ON-OFF control
- Built-in remote sense function

### ENVIRONMENTAL

Operating Temp: -20 to +70°C

Storage Temp: -40 to +85°C

### SAFETY / EMC (SEE NOTE 4)

EN60950-1

UL60950-1

EN55022

EN61000-3-2,-3

EN61000-4-2, 3, 4, 5, 6, 8, 11

### ELECTRICAL SPECIFICATIONS

Model No.	RSP-3000-XX		
XX	12	24	48
AC Input	180-265VAC, Single Phase, 48-62Hz		
DC Input	254-370VDC		
DC Output			
Voltage	12V	24V	48V
Current	0-200A	0-125A	0-62.5A
Rated Power	2400W	3000W	3000W
Ripple & noise (p-p)	150mV	150mV	200mV
Voltage Tolerance	±1.0%	±1.0%	±1.0%
Line Regulation	±0.5%	±0.5%	±0.5%
Load Regulation	±0.5%	±0.5%	±0.5%

Overload	Constant I limiting. O/P will shut down after 5 secs.
Over Voltage	Shut down O/P voltage. Re-power on to recover.
Over Temperature	Shut down O/P volts. Auto recover when temp. drops.

Dimensions 278(L) x 177.8(W) x 63.5(H)mm

Weight 4Kg

- Notes:**
1. All parameters *NOT* specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature.
  2. Ripple and noise are measured at 20MHz bandwidth by using a 12" twisted pair wire terminated with a 0.1µF and 47µF parallel capacitor.
  3. Tolerance includes set up tolerance, line and load regulation.
  4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.
  5. Derating may be needed under low input voltage conditions.

Specifications subject to change without notice

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