

## 2000W POWER SUPPLY IN A 7.4" X 4.9" X 11.5" PACKAGE MOT2000 SERIES

- Compact size
- Stainless steel case
- Three phase or single phase input
- 2000W output power
- Full electronic protection
- Telecom quality
- Field-proven design topology
- Competitive price



The MOT2000 Series is a compact AC/DC converter which uses established design techniques to ensure high reliability. Suitable for a wide range of applications, the HBC2000 features full electronic protection, high efficiency and low output noise. The built-in fan provides sufficient airflow for operation without de-rating up to 50°C ambient temperature.

### SPECIFICATIONS

**Input Voltage**

170 - 265VAC  
3-phase or single phase

**Input Protection**

Thermal fuse  
Inrush current limiting

**Input Isolation/Safety**

2250VDC input to chassis  
4300VDC input to output  
8mm spacing  
500VDC output to chassis  
Full compliance to IEC950,  
CSA 22-2-950 and UL 1950  
Please consult factory for approval  
status for the requested  
input/output configuration

**EMI**

Meets EN 55022 Class A

**Output Voltages**

24 or 28V/70A & 48V/42A  
or 54V/3.7A

**Line/Load Regulation**

±1% combined

**Output Over-voltage Protection**

Double regulator loop

**Overload Protection**

Rectangular current limiting with  
short circuit protection  
Thermal shutdown with automatic  
reset in case of insufficient airflow

**Efficiency**

Min 80% at full load

**Output Ripple/Noise**

Better than 1% of output voltage  
peak to peak or 0.2% RMS of the  
output voltage (20MHZ BW)  
Audio band noise: max. 32dBmC

**Hold Up Time**

Minimum 10ms at full load for 5%  
drop of output voltage

**+Operating Temperature**

0°C to +50°C

**Temperature Drift**

0.03% per °C over operating  
temperature range

**Dimensions**

7.4" x 4.9" x 11.5" enclosed case

**Weight:**

17 lbs (7.7kg)

**Connections**

Screw-type terminal block on  
input. 3/8 DIA brass studs on  
output (2 on each side).

**Warranty:** Twelve months

subject to application within good  
engineering practice

Enhancements to these general specifications can be accommodated upon request  
Designed to meet common approval requirements

**Designer and manufacturer of quality converters, inverters, UPS systems, complete rack mount systems  
and DC-input fluorescent lamp inverters since 1982. Custom or standard.  
Absopulse is a BAPT-approved Facility**

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