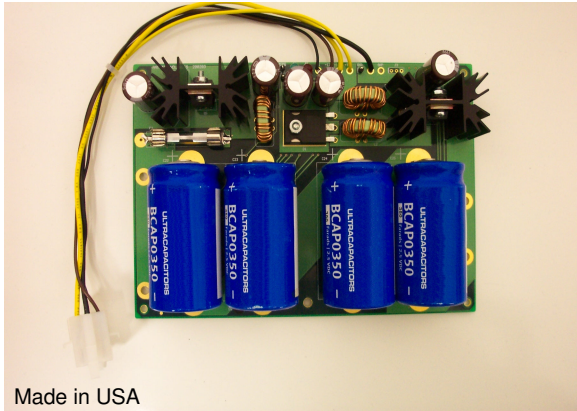


RAM Technologies

RAM Ultra UPS 8000



The model 8000 Ultra UPS module is the world's first back up power supply utilizing Ultra Capacitor technology. The module contains the charge and discharge circuitry to ensure high efficiency energy transfer. The proprietary patent pending module is designed to directly interface with RAM Technologies line of ATX/SFX medical grade power supplies. The module may be expanded by adding additional Ultra Capacitor modules. The base module contains 4,000 Joules of energy; expansion modules also contain 4,000 Joules of energy. There is no limit to the number of additional modules other than space.

BENEFITS

- 10 years + operational life
- Over one million cycles
- Ultimate in reliability
- RoHS compliant carbon based Ultra Capacitors
- Patent pending
- Replaces external UPS

Environmental

Operational Temperature: 0 to 50°C
 Storage Temperature: -40 to 80°C
 Operational Humidity: 0 to 95%NC
 Storage Humidity: 0 to 95%NC
 Operational Altitude: -500 to 10,000 FT
 Storage Altitude: -500 to 40,000 FT
 MTBF: 1,000,000 hours

Specifications

Input

Input Voltage Range: +12 VDC
 Efficiency: > 90%
 Charge time: 2 minutes per 4kJ module

Output

Current: 30 Amp max.
 Voltage: 12 vdc.

$$\text{RUN TIME (MINUTES)} = \frac{\text{NUMBER OF MODULES} \times 67}{\text{DC LOAD WATTS}}$$

$$\text{NUMBER OF MODULES} = \frac{\text{RUN TIME (MINUTES)} \times \text{LOAD}}{67}$$

Symbols Used



Attention, consult accompanying documents



Protective earth ground

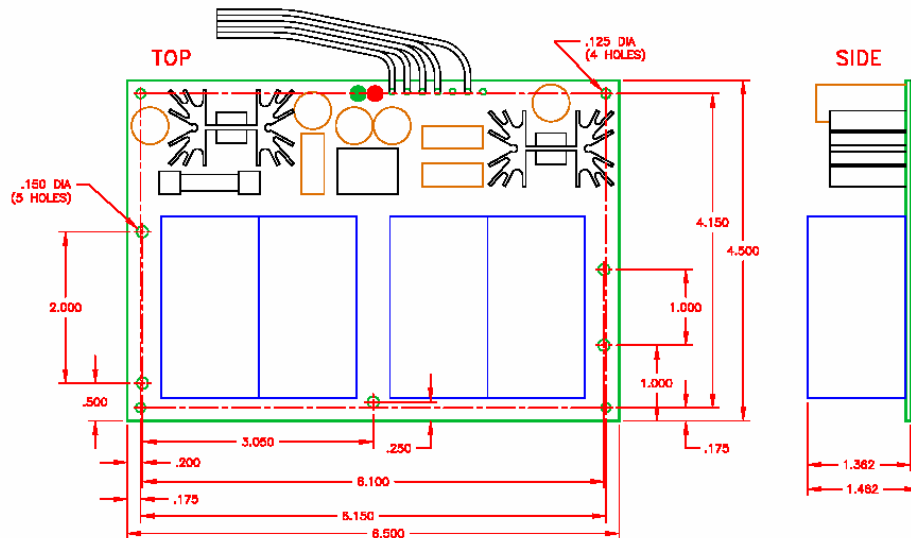
Output Signals

Static RS232 compatible, active low, AC on and full charge. Pin 1= full charge Pin 2= AC on
Warranty

3 years

RAM Ultra UPS 8000

Mechanical Specifications



MAIN UPS MODULE



OPTIONAL MODULE