

## MAJOR500 - 500 VA Power Inverter

The **Major500** is a highly reliable, telecom quality, DC to AC power inverter.

The **Major500** 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. Extended operating temperature (-40 to +65°C), ruggedization and conformal coating are available.



### Product Features

- Available in 24/36/48/125/250 VDC
- Custom Input and Output Voltages available
- Compact size, light weight
- Pure sine wave output (60, 50 or 400 Hz)
- Full electronic protection
- Telecom quality
- Rackmount RM-3U-19" standard
- Options:
  - ▶ Dry contact failure alarm
  - ▶ Ruggedization
  - ▶ Conformal Coating
  - ▶ Extended Temperature

### Product Specifications

<b>Input Voltage</b>	24, 36, 48, 125, 250 VDC $\pm$ 20% are standard. Other inputs available.
<b>Input Protection</b>	Thermal fuse, Inrush current limiting and Reverse polarity protection.
<b>Input Isolation</b>	Input-chassis: 500VDC @ <60V, 1500VDC @ >60V Input-output / Output-chassis: 2250VDC.
<b>Output Voltage</b>	115VAC/60Hz @ 4.4A Standard. (230VAC/50Hz @ 2.17A and 115VAC/400Hz @ 4.4A Available) Continuous output with grounded neutral. Isolated floating output available.
<b>Efficiency</b>	Min 78% at full load
<b>Line Regulation</b>	Maximum 0.5%
<b>Load Regulation</b>	Maximum $\pm$ 6% from 10% load to full load
<b>Output Protection</b>	Current limiting with short circuit protection. Thermal shutdown with automatic reset in case of insufficient airflow
<b>RFI Suppression</b>	Meets requirements of EN55022: 1987 Class A conducted emissions
<b>Crest Factor</b>	Maximum 3.0 at 90% load
<b>Harmonics (THD)</b>	Less than 5% at full load
<b>Operating Temp.</b>	0°C to +50°C (internal fan)
<b>Temp. Drift</b>	0.05% per °C over operating temperature range
<b>Connections</b>	Input: Compression-type terminal. Output: Standard AC receptacle.
<b>Dimensions</b>	5.3"H x 5"W x 15.5"L (3U Rackmount ears included)
<b>Weight</b>	9 pounds (4Kg)
<b>Warranty</b>	Twelve months subject to client application within accepted engineering practice. Designed to meet common approval requirements.

Specifications subject to change