

MAJOR1000 - 1000 VA Power Inverter

The **Major1000** is a highly reliable, telecom quality, DC to AC power inverter.

The **Major1000** 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 24/48/125/250 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

Input Voltage	24, 36, 48, 125, 250 VDC $\pm 20\%$ are standard. Other inputs available.
Input Protection	Thermal fuse, Inrush current limiting and Reverse polarity protection.
Input Isolation	Input-chassis: 500VDC @ <60V, 1500VDC @ >60V Input-output / Output-chassis: 2250VDC.
Output Voltage	115VAC/60Hz @ 8.7A Standard. (230VAC/50Hz @ 4.3A and 115VAC/400Hz @ 8.7A Available) Continuous output with grounded neutral. Isolated floating output available.
Efficiency	Minimum 78% at full load
Line Regulation	Maximum 0.5%
Load Regulation	Maximum $\pm 6\%$ from 10% load to full load
Output Protection	Current limiting with short circuit protection. Thermal shutdown with automatic reset in case of insufficient airflow.
RFI Suppression	Meets requirements of EN 55022: 1987 Class B conducted emissions
Crest Factor	Maximum 3 at 90% load
Harmonics (THD)	Less than 5% at full load
Operating Temp.	0°C to +50°C (internal fan)
Temp. Drift	0.05% per °C over operating temperature range
Connections	Input: Compression-type terminal. Output: Standard AC Receptacle.
Dimensions	5.3"H x 7.5"W x 15.5"L (3U Rackmount ears included)
Weight	13 pounds (5.9Kg)
Warranty	Twelve months subject to client application within accepted engineering practice. Designed to meet common approval requirements.

Specifications subject to change