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MAJOR2000 - 2000 VA Power Inverter

The **Major2000** is a highly reliable, telecom quality, DC to AC power inverter.

The **Major2000** 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 enclosure standard
- Options:
  - Dry contact failure alarm
  - Ruggedization
  - Conformal Coating
  - Extended Temperature

Product Specifications

Input Voltage	24, 36, 48, 125, 250 VDC, ±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	120/208 VAC/60 Hz; (230/400 VAC/ 50 Hz and 115/200 VAC/400 Hz Available.) Continuous output with grounded neutral. Isolated floating output available.
Efficiency	Min 78% at full load
Line Regulation	Maximum 0.5%
Load Regulation	Maximum ±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 3.0 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	7"H x 15"W 19"L (4U Rackmount enclosed case)
Weight	30 pounds (13.4Kg)
Warranty	Twelve months subject to client application within accepted engineering practice. Designed to meet common approval requirements.

Specifications subject to change