

Pure Sinewave Inverter 700W

RoHS Compliant
Directive 2002/95/EC



Pure sinewave



Digital display



Power save mode



Remote control port



High frequency technology



Light weight perfect for vehicles



Multiple electronic protection

Applications

- Telecom Power Plants
- Marine & other rugged environments
- Electric Utilities and Substations
- Base Station Power
- Industrial Controls
- Solar Home Systems
- Fuel Cell Applications
- Solar / Alternative Power Systems
- Emergency Power Backup (UPS)
- Pleasure and holidays
- Development aid
- Office equipment
- Power tools

Sinewave Inverter

Series JAZZ pro 700W

Description

The model 700W pure sinewave inverter supplies a 230VAC output voltage either from a 12V, 24V, or 48 VDC power source. The shape of the output voltage is pure sinewave - as from the grid.

All new High Frequency Switching Design offers high power and reliability in a compact package and light weight.

Extra input and output filtering reduce EMI to extremely low levels. Reliability features include an input fuse, thermal shutdown, current limiting and output short circuit shutdown.

The input and output is fully isolated.

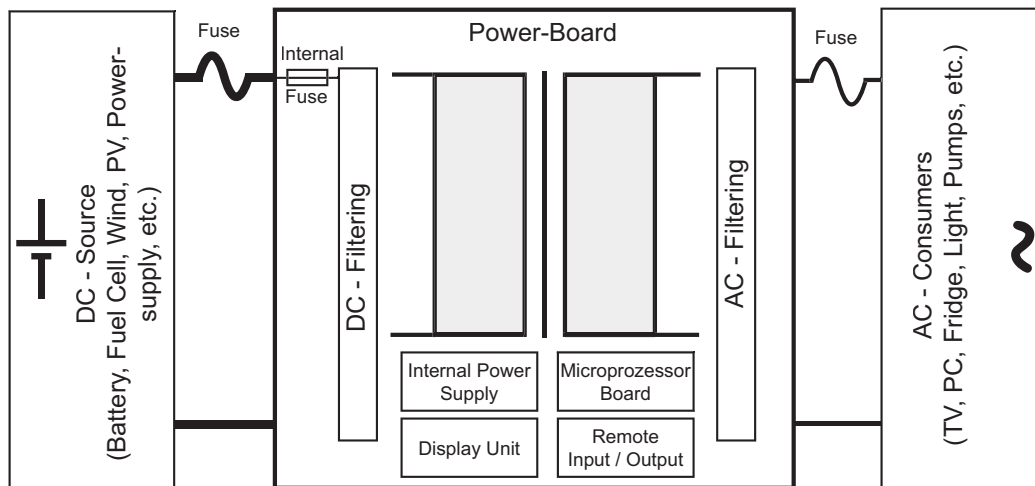
The superb overload capability supplies short time peak power to start heavy equipment such as pumps and compressors.

The LCD display shows current operating conditions. Optional features include a Remote Control.

Features

- Fully Isolated Design
- Outstanding efficiency at full load
- Crystal controlled output frequency
- Pure and fast regulated sinewave output
- Low ripple on the DC-Input to save battery life time
- Digital display (6 functions): VAC, AMP, WATT, VDC, TEMP, frequency and error message
- Over-temperature shutdown
- Short circuit protection
- Low input voltage protection
- Cycle by cycle current limiting
- Softstart
- Power save mode with auto sense
- Load and temperature controlled fan
- Remote control port
- Optional 115VAC version available
- 24 month parts and labour warranty

Block Diagram



Specifications (Specifications Subject to Change Without Notice)

Electrical (output)

| | |
|-----------------------------|--|
| Output Voltage (VAC) | 200 - 220 - 230 - 240 +/- 3% (selectable) |
| Output Frequency (Hz) | 50 - 60 +/- 0.05% (selectable) |
| Continous Output Power (W) | 700 |
| Output Power for 3 min. (W) | 780 |
| Surge Rating (W) | 1400 |
| Output Waveform | Pure Sinewave < THD 3% |
| Protection circuitry | Short circuit, Overload, Overtemperature |
| Indicators | OTP, OLP, VAC, AMP, WATT, Hz |
| Power Factor | 0.5 - 1 (COS Phi) |

Environmental Specifications

| | |
|-----------------------|---|
| Operating Temp. Range | -20° to +60°C Derating Linearly 4% per °C from 40°C |
| Humidity | 0 - 95% Relative Humidity (non-condensing) |
| Audible Noise | NONE, 0db @ 1m (Fan OFF) |
| Fan | Load and temperature controlled |
| Isolation | Input-Output 1100VDC, Input-Case 1100VDC Output-Case 500VDC |

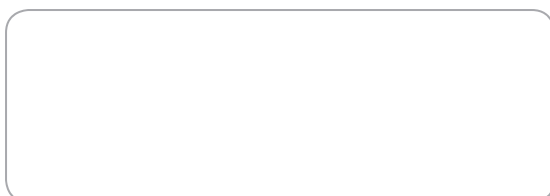
Electrical (input)

| | | | |
|--------------------------|-----------------------------|-----------|---------|
| Input Voltage (VDC) | 12 | 24 | 48 |
| Voltage Range (VDC) | 10.5 - 16 | 21.5 - 32 | 42 - 62 |
| Amps @ Pnom (A) | 64 | 31 | 15.5 |
| Protection circuitry | Over Voltage, Under Voltage | | |
| No Load Current Draw (A) | 0.83 | 0.43 | 0.22 |
| Power save mode (A) | 0.25 | 0.15 | 0.08 |
| Efficiency max. | 94% | 95% | 95% |
| Efficiency @full load | 92% | 93% | 94% |
| Indicators | OVP, UVP, VDC | | |

Mechanical Specifications

| | |
|-------------|---|
| Length | 29.9 cm |
| Width | 17.9 cm |
| Height | 8.1 cm |
| Clearance | 2.5 cm all around |
| Material | Aluminium |
| Finish | Anodize / Powder Epoxy Coat |
| Weight | 2.8 Kg |
| Connections | DC-clamps, AC-connector or SCHUKO (IEC Connector supplied with inverter) |
| Warranty | 2 years |
| Standards | Approval to CE, LVD |

Available from:



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The power conversion company

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