

Pure Sinewave Inverter 1000VA



Benefits

- Quiet Operation
- Power for sensitive electronics, without interference
- Pure Sinewave Output
- Multiple electronic protection functions
- Remote Panel available
- Light weight and compact size
- Rugged & Reliable
- Years of safe and trouble free operation

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

Sinewave Inverter

Series JAZZ 1000VA Output Power

Description

The model 1000VA 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 with automatic recovery.

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.

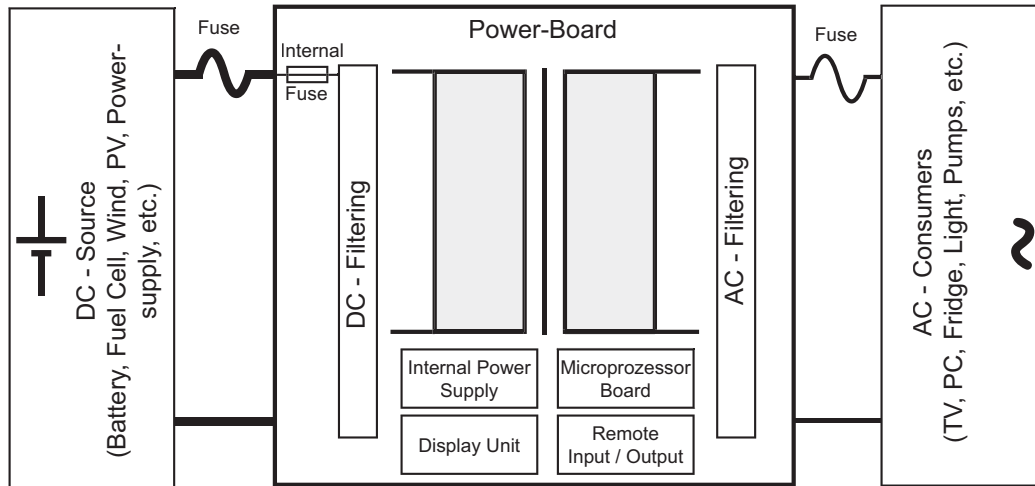
It is equipped with a power save circuitry using the auto sense method to detect a load connected to the output.

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
- Visual indicators for low input voltage, low output voltage, battery level, load level & failure
- 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
- Meets CE safety and emission rules
- Remote control optional available
- Optional 110 VAC version available
- 24 month parts and labour warranty

Block Diagram



Specifications (Specifications Subject to Change Without Notice)

Electrical (output)

Nominal VAC	230 +/- 3%
Output Frequency	50Hz - 60Hz (selectable) +/- 0.05%
Nominal power	1000VA continuous
Nominal current	4.33A (230VAC @ nominal Power)
Power for 3 min.	1150VA
Peak Power	1300VA
Output Waveform	Pure Sinewave
Protection circuitry	Short circuit, Overload, Overtemperature
Indicators	Overload, Overtemperature, Loadlevel (Red / Orange / Green)
Power Factor	0.4 - 1 (COS Phi)

Environmental Specifications

Operating Temp. Range	-10° to +40°C @ maximum output 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 (65°C ON, 45°C OFF)
Isolation	Input-Output 1100VDC, Input-Case 1100VDC Output-Case 500VDC

Electrical (input)

Nominal voltage (VDC)	12	24	48
Voltage range (VDC)	10.5 - 15	21 - 30	42 - 60
Amps @ Pnom (A)	91	45	22
Protection circuitry	Overvoltage, Low voltage		
Idle current 230V ON (A)	1.4	0.7	0.36
Idle current sleep (A)	0.25	0.125	0.06
Efficiency max.	91%	93%	95%
Efficiency @full load	86%	89%	91%
Indicators	Overvoltage, Lowvoltage, Battery level (Red / Orange / Green)		

Mechanical Specifications

Length	38.3 cm
Width	18.2 cm
Height	8.9 cm
Clearance	2.5 cm all around
Material	Aluminium
Finish	Black Anodize / Powder Epoxy Coat
Weight	4.0 Kg
Connections	DC-clamps, AC-connector (Connector supplied with inverter)
Warranty	2 years
Standards	Approval to CE, e-Mark

Available from:



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