



## SINEWAVE INVERTER

### SERIES Mistral PS-150

The model Mistral PS-150 pure sinewave inverter supplies a 230VAC output voltage from a 24VDC 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.

### APPLICATIONS

- Industrial Controls
- Mining
- Oil Rigs
- Steel Mills
- Marine & other rugged environments
- Automotive / RV
- Electric Utilities and Substations
- Base Station Power
- Telecom Power Plants
- Railway / Transportation
- Military Applications
- Manufacturing Location
- OEM Applications

### FEATURES

- 150W output power
- Fanless design
- Fully isolated design
- Outstanding efficiency at full load
- Pure and fast regulated sinewave output
- LED indicator
- Over-temperature shutdown
- Short circuit protection
- Low input voltage protection
- Softstart
- 24 month parts and labour warranty



Pure Sinewave



High frequency technology



Light weight, compact size



Full electronic protection



Conduction convection cooled

# SPECIFICATIONS

Input Voltage	24Vdc (20-31Vdc)
Input Current @ Pnom	7.5A
Input Protection	Overvoltage Low voltage
Idle current 230V On	0.3A
Idle current 230V Off	< 2uA
Efficiency max.	> 90%
Output Voltage	230VAC +/- 3%
Output Frequency	50Hz +/- 0.5%
Nominal power	150W continuous
Nominal current	0.65A (230VAC @ nominal Power)
Output Waveform	Pure Sinewave THD < 2%
Output Protection	Short circuit Overload Over temperature

Operating Temperature	-20° to +40°C >60°C shutdown Derating Linearly from 40°C
Humidity	5 - 95% non-condensing
Audible Noise	Scarcely audible @ 1m (fanless design)
Cooling	Conduction and natural convection
Dimensions	216 x 119 x 61 mm (W x H x L)
Weight	1.1 Kg
Degree of protection	IP 20
Clearance	2.5 cm all around
Material	Aluminium
Finish	Black Anodize / Powder Epoxy Coat
Connections	Input: DC-cable Output: SCHUKO outlet
Standards	Approval to CE
Warranty	2 years

