TELECOM QUALITY
2000VA SINE WAVE INVERTER
SPI 2000 SERIES

- Modular design, light weight
- Sinusoidal wave shape
- 2000VA output power
- Full electronic protection
- Field-proven design topology

The SPI 2000 Series DC/AC inverter uses established design techniques to ensure high reliability. Suitable for a wide range of applications, the SPI 2000 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) is available. The inverter can be loaded with a fluorescent lamp load up to the full specified output power.

SPECIFICATIONS

Input Voltage
24V, 36V, 48V, 125V, 250VDC
+/-20% are standard
Consult Snaptec for other inputs

Input Protection
Thermal fuse
Inrush current limiting
Reverse polarity protection

Standards
Designed to meet
C22.2 No. 107.1 - 01,
UL 458 and EN60950

EMI
EN 55022 Class B for versions where input current <70A.
Class B filtering is an option where input current >70A.

Output Voltage
115VAC/17.4A continuous or
230VAC/8.7A continuous at
50, 60 or 400Hz with grounded neutral.
Isolated floating output optional.
Consult Snaptec for other output requirements

Wave Form
Sinusoidal

Total Harmonic Distortion
Less than 5% at full load

Efficiency
Min 78% at full load

Line Regulation
Maximum 0.5%

Load Regulation
Maximum ± 2% from no load to full load.

Output Protection
Current limiting with short circuit protection
Thermal shutdown with automatic recovery in case of continuous overload or insufficient airflow

Load Crest Factor
Maximum 3.0 at 90% load

Operating Temperature Range
0° C to +50° C

Temperature Drift
0.05% per ° C over operating temperature range

Humidity
5 - 95% non-condensing

Dimensions
4U" X 19" x 15" enclosed case (H x L x W)

Connections
Input/output: terminal block

Weight
40 pounds (18.2 kg)

Options:
Output Fail Alarm (Form C)
Remote Inhibit: By connecting DC voltage (as specified) to the inhibit terminals