

TELECOM QUALITY 2500VA SINE WAVE INVERTER SPI 2500 SERIES

- Modular design, light weight
- Sinusoidal wave shape
- 2500VA output power
- Full electronic protection
- Field-proven design topology



The SPI 2500 Series DC/AC inverter uses established design techniques to ensure high reliability. Suitable for a wide range of applications, the SPI 2500 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/21.7A continuous or
230VAC/10.7A 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
Better than 5% at full load

Efficiency
Min 82% 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
6U" X 19" x 15" enclosed case
(H x L x W)

Connections
Input/output: Terminal block

Weight
48 pounds (21.8kg)

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