

4000VA SINE WAVE INVERTER SPI 4000 SERIES

- Modular design
- Sinusoidal wave shape
- 4000VA output power
- Full electronic protection
- Field-proven design topology



The SPI 4000 Series DC/AC Inverter utilizes established design techniques to ensure high reliability. Suitable for a wide range of applications, this 4000VA inverter 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.

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
115Vrms/34A continuous or
220VAC/18A 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 82% at full load

Line Regulation
Maximum 0.5%

Load Regulation
Maximum $\pm 2\%$ from no load
to full load.

Output Noise
High frequency ripple is better
than 500mVrms(20MHz BW)

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

Output Over-voltage Protection
By internal supply voltage limiting
at 140VAC on output

Output Over-load Protection
Hiccup at 4800W

Load Crest Factor
Maximum 2.5 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
8U x 19" x 17"

Connections
Input/output: terminal block

Weight
70 pounds (31.8 kg)