

## 5000VA SINE WAVE INVERTER SPI 5000 SERIES

- Modular design
- Sinusoidal wave shape
- 5000VA output power
- Full electronic protection
- Field-proven design topology



The SPI 5000 Series DC/AC Inverter uses established design techniques to ensure high reliability. Suitable for a wide range of applications, this 5000VA 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. 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/ 43.5A continuous or  
230VAC /21.7A 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 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 6,000VA

**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)