

## TELECOM QUALITY 1000VA SINE WAVE INVERTER SPI 1000 SERIES

- Input is filtered to EN 55022 Class B (typical)
- Compact size, light weight
- Sinusoidal wave shape
- 1000VA of output power
- Full electronic protection
- Field-proven design topology



The SPI 1000 Series compact DC/AC Inverter utilizes established design techniques to ensure high reliability. Suitable for a wide range of applications, the SPI 1000 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  
(typical)

**Output Voltage**

115VAC/8.7A continuous or  
230VAC/4.34A 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**

5.3" x 7.5" x 15.5" enclosed case  
(H x W x L)

**Connections**

Input: Compression-type terminal  
Output: Standard AC receptacle

**Weight**

13 pounds (5.9 Kg)

**Options:**

Output Fail Alarm (Form C)  
Remote Inhibit: By closing  
external contacts on the inhibit  
terminals