

## 100VA SINE-WAVE OUTPUT INVERTER INDUSTRIAL QUALITY, PLUG-IN OR STAND ALONE SPI100 SERIES

- Filtered input
- Compact size
- Sinusoidal output voltage
- 100VA output power
- Full electronic protection
- Field-proven design topology
- Plug-in or stand-alone package



Plug-in version

Stand-alone version

The SPI100 Series compact DC/AC Inverter utilizes the same established conversion topology as higher power inverters. The DC/DC input stage boosts the input voltage to a higher DC voltage, which feeds the DC/AC inverter to generate the required AC output. This use of high frequency transformers ensures a light weight design. Suitable for a wide range of applications, the SPI100 features full electronic protection, high efficiency and low output noise.

### SPECIFICATIONS

**Input Voltage**

12V, 24V, 36V, 48V, 125Vdc  
+/-15% are standard  
Consult factory for other inputs

**Input Protection**

Internal safety fuse  
Reverse polarity protection

**Standards**

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

**EMI**

EN 55022 Class A  
as a minimum

**Output Voltage**

115Vac/0.86A continuous  
at 60Hz or 400Hz ; or  
230Vac/0.43A continuous  
at 50Hz with isolated floating  
output. Consult factory for other  
output requirements

**Output Wave Form:**

Sinusoidal

**Total Harmonic Distortion**

Less than 5% at full load

**Line Regulation**

± 0.5% max.

**Load Regulation**

Maximum ±3 % from no load  
to full load.

**Output Protection**

Current limiting with short circuit  
protection

**Efficiency**

Input voltage dependent  
Typically 80% at full load

**Load Crest Factor**

Maximum 3.0 at 90% load

**Operating Temperature Range**

0° C to +50° C

**Cooling**

Conduction/convection (no fan)

**Humidity**

5 - 95% non-condensing

**Dimensions**

Enclosed F1: 4.43" x 2" x 7.78"  
Plug-in: 3U x 160mm x 10HP (2")

**Environmental Protection**

Basic ruggedizing

**Connections**

Plug-in module: H15  
Stand-alone: screw-type terminal  
block for input and output.  
Consult factory for other  
connectors.

**Weight**

1.7 lb (0.77kg) enclosed package

**Alarm output**

None