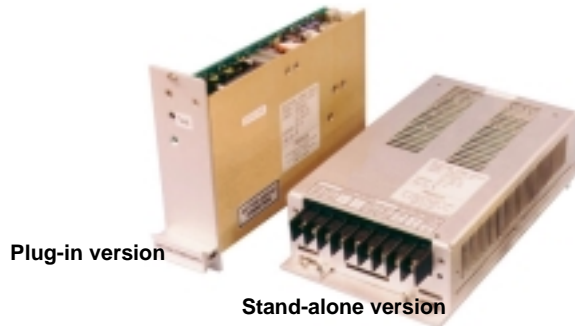


# TSI30 30VA SINE WAVE INVERTER PLUG-IN OR STAND ALONE

## TSI 30 SERIES

- Input is filtered to EN 55022 Class B (typical)
- Compact size
- Sinusoidal wave shape
- 30VA of output power
- Full electronic protection
- Field-proven design topology
- Plug-in or stand-alone package



The TSI 30 Series low-power, low-cost DC/AC inverter uses established design techniques to ensure high reliability. The switching circuit for the input voltage is microprocessor controlled; the toroidal transformer boosts voltage to the required level and also provides the isolation required for the floating output. This unit has a feedback circuit to ensure excellent output regulation.

### SPECIFICATIONS

**Input Voltage**

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

**Input Protection**

Thermal fuse

**Standards**

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

**EMI**

EN 55022 Class B  
(typical)

**Output Voltage**

115VAC/0.26A continuous or  
230VAC/0.13A continuous at  
50Hz or 60Hz with isolated  
floating output. Consult factory for  
other outputs.

**Line Regulation**

± 0.5% max.

**Load Regulation**

Maximum ± 2% from no load  
to full load.

**Wave Form:**

Sinusoidal

**Total Harmonic Distortion**

Less than 5% at full load

**Output Protection**

Current limiting with short circuit  
protection

**Efficiency**

Min 78% at full load

**Load Crest Factor**

Maximum 3.0 at 90% load

**Operating Temperature Range**

0° C to +50° C  
-40 TO +65° C also available

**Temperature Drift**

0.05% per °C over operating  
temperature range

**Humidity**

5 - 95% non-condensing

**Dimensions**

Plug-in: 3U x 160mm x 10HP (2")  
Stand alone: 4.4" x 7.8" x 2"

**Connections**

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

**Weight**

1.8lb (0.8kg)

Warranty: Twelve months subject to application within good engineering practice  
Enhancements to these general specifications can be accommodated upon request  
Designed to meet common approval requirements. Specifications subject to change

**Designer and manufacturer of quality converters, inverters, UPS systems, complete rack mount systems  
and DC-input fluorescent lamp inverters since 1982. Custom or standard.**

**Absopulse is a BABT-approved Facility**



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