

# 150VA SINE-WAVE OUTPUT INVERTER

## INDUSTRIAL QUALITY, PLUG-IN OR STAND ALONE

### CSI 150 SERIES

- Sinusoidal output voltage
- 150VA output power
- Compact size
- Filtered input
- Full electronic protection
- Conduction/convection cooling
- Field-proven design topology
- Plug-in or stand-alone package



Plug-in version (E11)

Stand-alone version (F1)

The CSI 150 Series compact DC/AC Inverter utilizes the same established conversion topology as Absopulse's 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. Suitable for a wide range of applications, the CSI 150 features full electronic protection, high efficiency and low output noise. Cooling for the stand-alone (FT) version is by conduction to the customer chassis, and additional air convection.

### SPECIFICATIONS

**Input Voltage**

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

**Input Protection**

Inrush current limiting  
 Varistors  
 Reverse polarity protection  
 Internal safety fuse  
 Lower voltage than specified  
 input min. will not damage unit

**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/1.3A continuous  
 at 60Hz or 400Hz ; or  
 230Vac/0.65A 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

**Load Crest Factor**

Maximum 3.0 at 90% load

**Output Noise**

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

**Output Overload Protection**

Current limiting with short circuit  
 protection. Thermal shutdown  
 with automatic recovery in case of  
 insufficient cooling

**Output Overvoltage Protection**

140/280V by internal supply  
 voltage limiting

**Efficiency**

Input voltage dependent  
 Typically 80% at full load

**Operating Temperature Range**

0° C to +50° C. Extended  
 temperature ranges available

**Temperature Drift**

0.05% per °C over operating  
 temperature range

**Cooling**

Conduction/convection (no fan)

**Environmental Protection**

Basic ruggedizing

**Humidity**

5 - 95% non-condensing

**MTBF**

Min. 180,000 hours at 45°C

**Indicators**

None

**Control Input**

None

**Options**

Output fail alarm (Form C)

**Package/Dimensions**

F2: 113 x 57 x 254 mm  
 (4.4"x 2.3" x 10") including  
 terminal blocks and flanges  
 Plug-in: 3U x 220mm x 10HP (2")

**Weight**

1.13 kg (2.5 lb) enclosed package

**Connections**

Plug-in module: H15  
 Stand-alone: barrier-type terminal  
 block with 3/8" spacing  
 Consult factory for other connectors

**RoHS Compliance**

According to requirements

**Warranty**

Twelve months subject to application  
 within good engineering practice

**Enhancements to these general specifications can be accommodated upon request. Specifications are subject to change**

*Designer and manufacturer of quality ac-dc power supplies and battery chargers, converters, inverters, dc-output 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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