

300VA SINE WAVE OUTPUT INVERTER INDUSTRIAL QUALITY CSI 300-FT SERIES

- Sinusoidal output voltage
- 300VA output power
- Filtered input
- Conduction/convection cooling
- Full electronic protection
- Field-proven design topology



The CSI 300 Series compact DC/AC Inverter utilizes the same established conversion topologies 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 300 features full electronic protection, high efficiency and low output noise. Cooling 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/2.6A continuous
at 60Hz or 400Hz ; or
230Vac/1.3A 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 (WxHxL)

FX: 152 x 67 x 351 mm
(6" x 2.6" x 13.8") including
terminal block and flanges

Weight

2.2 Kg (4.94 lb)

Connections

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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