

1000VA SINE WAVE OUTPUT INVERTER

INDUSTRIAL QUALITY

CSI 1K-XX SERIES



Photograph illustrates only one of a number of chassis options. Please see 'dimensions' below

- Filtered input
- Sinusoidal output voltage
- 1000VA output power
- Full electronic protection
- Field-proven design topology

The CSI 1K-XX Series DC/AC Inverter utilizes established design techniques to ensure high reliability. Suitable for a wide range of applications, the CSI 1K-XX 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. The output is fully isolated from the input and may either be used in grounded neutral operation (standard) or in floating mode (optional).

SPECIFICATIONS

Input Voltage

24V, 36V, 48V, 125V, 250VDC
+/-15% are standard
Consult factory for other inputs

Input Protection

Internal safety 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 A
as a minimum

Output Voltage

115VAC/8.7A continuous
at 60Hz or 400Hz; or
230VAC/4.35A continuous
at 50Hz with grounded neutral.
Isolated floating output optional
Consult factory for other output
requirements

Output Wave Form

Sinusoidal

Total Harmonic Distortion

Less than 5% at full load

Efficiency

Input voltage dependent
Typically 80% at full load

Line Regulation

Maximum 0.5%

Load Regulation

Maximum $\pm 6\%$ from no load
to full load. A $\pm 2\%$ option is
available

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. Extended range
available. Consult factory.

Temperature Drift

0.05% per °C over operating
temperature range

Cooling

Built-in fan

Humidity

5 - 95% non-condensing

Environmental Protection

Basic ruggedizing

Dimensions (W x H x D)

Input < 125Vdc:
7.5" x 5.3" x 15.5" (13 lbs/5.9kg)
Input \geq 125Vdc:
5.3" x 5" x 15.5" (9 lbs/4kg)

Connections

Input: Compression-type terminal
Output:
115Vac: Standard AC receptacle
230Vac: IEC connector

Options:

Output Fail Alarm (Form C)
Remote Inhibit
Output compression-type terminal

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 are 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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