

# 500VA SINE WAVE OUTPUT INVERTER

## INDUSTRIAL QUALITY

### CSI 500-XX SERIES



- Filtered input
- Compact size, light weight
- Sinusoidal output voltage
- 500VA output power
- Full electronic protection
- Field-proven design topology

The CSI 500-XX Series compact DC/AC Inverter utilizes established design techniques to ensure high reliability. Suitable for a wide range of applications, the CSI 500-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/4.34A continuous  
at 60Hz or 400Hz; or  
230VAC/2.17A 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  
temperature ranges available

### 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)

5" x 5.3" x 15.5" enclosed case

### Connections

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

### Weight

9 pounds (4 kg)

### 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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