

## 200VA SINE-WAVE OUTPUT INVERTER INDUSTRIAL QUALITY CSI 200 SERIES

- Sinusoidal output voltage
- 200VA output power
- Filtered input
- Conduction/convection cooling
- Full electronic protection
- Field-proven design topology



The CSI 200 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 200 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/1.7A continuous  
at 60Hz or 400Hz ; or  
230Vac/0.86 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 (W x H x L)

F3: 132 x 62 x 290 mm  
(5.2" x 2.5" x 11.4") including  
terminal block and flanges

#### Weight

1.77 Kg (3.9 lb)

#### Connections

12-pole 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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