

100VA SINE-WAVE OUTPUT INVERTER

INDUSTRIAL QUALITY, EUROCARD PLUG-IN MODULE

CSI 100-EU SERIES



- Sinusoidal output voltage
- 100VA output power
- Compact size
- Filtered input
- Full electronic protection
- Field-proven design topology
- 3U x 160mm Eurocard Plug-in module

The CSI 100-EU Series compact, plug-in DC/AC Inverter designed for rack-mount applications. It 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. The use of high frequency conversion ensures a light weight design. Suitable for a wide range of applications, the CSI 100-EU features full electronic protection, high efficiency and low output noise.

SPECIFICATIONS

Input Voltage

24V, 36V, 48V, 110V, 125Vdc
 +/-15% are standard
 Consult factory for other inputs

Input Protection

Internal safety fuse
 Inrush current limiting
 Varistors
 Reverse polarity protection
 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/0.86A continuous
 at 60Hz or 400Hz ; or
 230Vac/0.43A 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

Indicators

None

Control Input

None

Options

Remote inhibit
 Output fail alarm

Dimensions

Plug-in: 3U x 160mm x 10HP (2")

Weight

Approx. 0.8kg (1.8 lb)

Connections

H15 DIN connector

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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