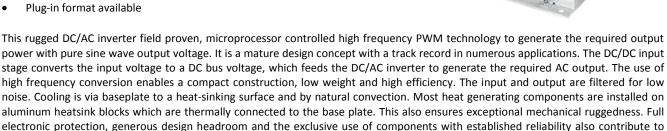
100VA Rugged, Industrial Quality DC/AC Sine Wave Inverter CSI 100-24/24-F2 Series

- Sinusoidal output voltage
- Rugged, field-proven design
- Filtered input
- Conduction/convection cooling
- Full electronic protection



SPECIFICATIONS

Input Voltage

24Vdc ±15% 12V, 36V, 48V or 125Vdc and other inputs available on request

Input Protection

Inrush current limiting Varistor Reverse polarity protection Internal safety fuse Lower voltage than the specified minimum input will not damage the unit

Isolation

Compliant to input and output voltages according to the corresponding standards Floating output

Standards

Designed to meet C22.2 No. 107.1 - 01, UL 458 and EN 60950-1

FMI

EN 55022 Class A with margins

Output Voltage

high MTBF. The unit is manufactured at our plant under strict quality control.

24Vac/4Arms/50Hz 100VA continuous Output is floating, either terminal can be grounded Other outputs are available on request.

Output Wave Form

Sinusoidal

Total Harmonic Distortion

Less than 5% at full load

Line/Load Regulation

 \pm 3% from no load to full load

Load Crest Factor

2 at 90% load

Output Noise

High frequency ripple is better than 500mVrms (20MHz BW)

Output Overload Protection

Current limiting with short circuit protection

Output Overvoltage Protection

Output voltage is limited by internal supply voltage

Efficiency

Typically 80% at full load

Operating Temperature Range

 0° C to +50 °C for full specification Extended temperature ranges available

Temperature Drift

0.05% per °C over operating temperature range

Cooling

Conduction via baseplate to customer heat-sink or chassis and natural convection

Environmental Protection

Basic ruggedizing Conformal coating

Shock/Vibration

IFC 61373 Cat 1 A&B

Humidity

5 - 95% non-condensing

MTBF

120,000 hours at 45°C Demonstrated MTBF is significantly higher

Indicators

None

Control Input

None

Alarm Output

None

Optional output fail alarm (Form C)

Package/Dimensions (W x H x D)

F2: 114 x 58 x 256 mm (4.5" x 2.3" x 10.1") Includes terminal block and flanges Mounting holes are clear

Weight

Approx. 1.2 kg; 2.6 lb

Connections

9-pole barrier type terminal block, 3/8" spacing

RoHS Compliance

Compliant

Warranty

Two years subject to application within good engineering practice.

Terminal Block Pin-out

Terrimar block i iii out								
AC OUTPUT						DC INPUT		
NOT USED	٦2	១?	NOT USED	NOT USED	NOT USED	ᅋᆛ	+	-
1	2	3	4	5	6	7	8	9

The specifications on this data sheet are generic and are subject to change. Enhancements to these specifications can be provided upon request.

OEM of professional quality AC/DC power supplies and battery chargers, DC/DC converters, DC-AC sine-wave inverters, phase and frequency converters, DC-output UPS systems and complete power systems in 19" and 23" racks since 1982. Custom or standard. ABSOPULSE is a BABT-approved Facility



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