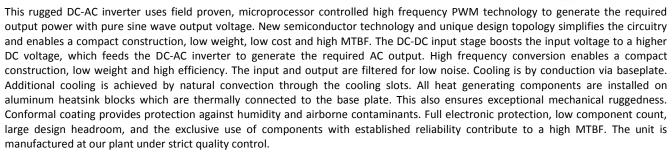
300VA Compact, Rugged, Industrial Quality DC-AC Sine Wave Inverter

CSI 280-F3 Series

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



SPECIFICATIONS

Input Voltage

24V, 48V, 110V, 125Vdc ±15% are standard Consult factory for other inputs

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

EMI

EN 55032 Class A with margins

Output Voltage

115Vac/2.6A continuous at 60Hz or 400Hz; or 230Vac/1.3A continuous at 50Hz Isolated floating output Consult factory for other output requirements

Output Wave Form

Sinusoidal

Total Harmonic Distortion

Less than 5% at full load

Line/Load Regulation

 \pm 2% 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 DC bus voltage

Efficiency

Input voltage dependent 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 to customer heat-sink or chassis and natural convection

Environmental Protection

Basic ruggedizing Conformal coating

Shock/Vibration

IEC 61373 Cat 1 A&B

Humidity

5 - 95% non-condensing

MTBF

140,000 hours at 45°C Demonstrated MTBF is significantly higher

Indicators

None

Control Input

None

Remote shutdown or enable as an option

Alarm Output

None

Output fail alarm (Form C) as option

Package/Dimensions (W x H x D)

F3: 132 x 64 x 300 mm (5.2" x 2.5" x 11.8") including mounting flanges and terminals Mounting holes are clear

Weight

2 kg (4.4 lb)

Connections

12-pole barrier type terminal block with 3/8" spacing

RoHS Compliance

Compliant

Warranty

Two years subject to application within good engineering practice.

Terminal Block Pin-out

AC O	UTPUT						DC INPUT				
L1	L2	N/A	N/A	N/A	N/A	N/A	èд.	ı	ı	+	+
- 1	2	3	1	- 5	6	7	Q.	a	10	11	12

Please note that ABSOPULSE power supplies are designed and built to customer specifications. The specifications on this data sheet are generic and will vary depending on input/output configuration and other customer requirements. Generic 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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