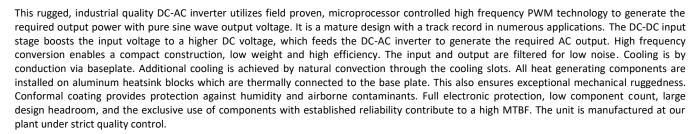
200VA Rugged, Industrial Quality DC-AC Sine Wave Inverter with 24Vac Output CSI 200-XX/24F3 Series

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



SPECIFICATIONS

Input Voltage

24Vdc (21-30Vdc) 48Vdc (42-60Vdc) Consult factory for other inputs and ranges

Input Protection

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

Isolation

1000Vdc input to chassis 1500Vdc input to output 700V output to chassis Floating output

Standards

Designed to meet C22.2 No. 107.1 - 01, UL 458 and EN62368-1

EMI

EN55032 Class A with margins

Output Voltage

24Vac/8A, 50Hz 200VA continuous 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

 $\pm 3\%$ 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

Thermal shutdown with automatic recovery in case of insufficient cooling

Output Overvoltage Protection

By internal supply voltage limiting at 30Vac

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 base plate to customer heatsink or chassis and by natural convection

Environmental Protection

Basic ruggedizing Conformal coating Heavy ruggedizing available as option

Shock/Vibration

IEC 61373 Cat 1 A&B

Humidity

5 - 95% non-condensing

MTBF

130,000 hours at 45°C fans excluded Demonstrated MTBF is significantly higher

Indicators

None

Control Input

None Remote shutdown as option

Alarm Output

None

Option: output fail alarm (Form C)

Package/Dimensions (W x H x L)

F3: 132 x 62 x 290 mm 5.2" x 2.43" x 11.4" Includes baseplate, excludes terminals

Weight

2kg (4.4lbs)

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

	VAC OUTPUT								VDC INPUT			
NOT	L1					NOT		_	_	+	_	
USED	~	2	USED	÷	USED	USED	USED					
1	2	3	4	5	6	7	8	9	10	11	12	

ABSOPULSE power supplies are designed and built to customer requirements. The specifications on this data sheet are generic guidelines only and are subject to change

OEM of industrial and railway quality DC-DC converters, AC-DC power supplies and battery chargers, 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.



ABSOPULSE ELECTRONICS LTD

110 Walgreen Road, Ottawa. Ontario. K0A 1L0. CANADA Tel: +1-613-836-3511 | Fax: +1-613-836-7488 https://absopulse.com/contact | https://www.absopulse.com/