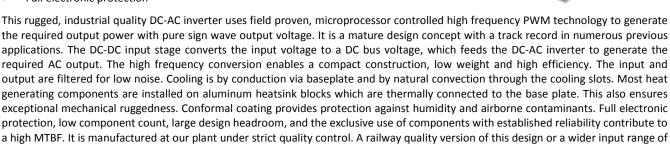
600Vdc Input, 300VA Industrial Quality DC-AC Sine Wave Inverter CSH 300-F6 Series

- 600Vdc input (450-800V)
- Sinusoidal output voltage
- Field-proven design topology
- Conduction/convection cooled no fan
- Low profile, compact size
- Full electronic protection



SPECIFICATIONS

Input Voltage

600Vdc nominal 450-800Vdc operating range Input Current: 0.8A max Consult factory for other input voltages and ranges

this is also available.

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

3400Vdc input to chassis 4300Vdc input to output 5600Vdc type test 2250Vdc output to chassis Isolated floating output

Standards

Designed to meet C22.2 No. 107.1 - 01, UL 458 and EN60950-1

EMI

EN55032 Class A with margins

Output Voltage

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

Output Wave Form

requirements

Sinusoidal

Total Harmonic Distortion

Less than 5% at full load

Line/load Regulation

±5% from no load to full load

Load Crest Factor

2 at 90% load

Output Noise

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

Output Overload Protection

Current limiting with short circuit protection
Thermal shutdown with automatic recovery in case of insufficient

Output Overvoltage Protection

By internal supply voltage limiting

Efficiency

Typically 85% at full load

Operating Temperature

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

Temperature Drift

0.05% per C over operating temperature range

Cooling

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

Environmental Protection

Basic ruggedizing Conformal coating

Shock/Vibration

IEC 61373 Cat 1 A&B

Humidity

5 - 95% non-condensing

MTBF

150,000 hours at 45 °C Demonstrated MTBF is significantly higher

Indicators

None

Control Input

None

Alarm Output

None

Output Fail Alarm (Form C) as option

Package/Dimensions (W x H x L)

F6: 210 x 64 x 365mm (8.3" x 2.5" x 14") Mounting holes are clear

Weight

3.2kg (7 lbs)

Connections

Barrier type terminal block with 3/8" spacing (6-pole + 12-pole)

RoHS Compliance

Compliant

Warranty

Two years subject to application within good engineering practice

Terminal Block Pin-Out

AC OUTPUT)			DC INPUT					
NOT USED	NOT USED	2⊑	77	NOT USED	NOT USED	NOT USED	NOT USED	÷	NOT USED	NOT USED	NOT USED	\boxtimes	+	Х	Х	-	\times
1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6

Please note that ABSOPULSE inverters 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 converters, inverters, 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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March 18, 2019/TS/CL

Made in Canada