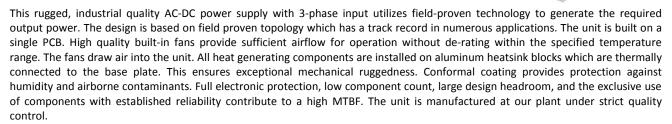
3-phase, 400Vac Input, 200Vdc Output, 1000W Industrial Quality AC-DC Power Supply HTH 1K-F6W

- · Rugged industrial quality
- 3-Phase input
- High output voltage
- Cooling by internal fans
- Full electronic protection
- Field-proven design topology



SPECIFICATIONS

Input Voltage

400Vac, 3-phase (L-L) 340-460Vac operating range, 47-63Hz Input current: 2.6Arms max per phase

Other input voltages on request

Input Protection

Inrush current limiting
Varistors
Internal safety fuses
Lower voltage than the specified
minimum input will not damage
the unit

Isolation

2250Vdc input to chassis 4300Vdc input to output 5600Vdc type test 1500Vdc output to chassis

Standards

Designed to meet EN60950-1 and related standards

EMI

EN55022 Class A with margins

Hold-Up Time

Min. 10ms at any input for 5% drop of the output voltage

Switching Frequency

55kHz ±3kHz

Output Voltage/Current

200Vdc ± 0.5V/5A Output is floating, either terminal can be grounded

Output Separation Diode

Installed internally

Line/Load Regulation

1% combined from zero load to full load

Dynamic Response

Max 5% voltage deviation for 10% to 50% load step, with better than 1msec recovery time

Output Ripple/Noise

Better than 200mVrms or 900mVpp (@ 20MHz BW)

Output Overload Protection

Rectangular current limiting with short-circuit protection (no hiccup)

Thermal shutdown in case of insufficient airflow (self-resetting) Current Limit: 5.5A ± 0.4A

Output Overvoltage Protection

Second regulator loop, completely stable and independent of main regulator loop OVP limit: 220V ± 10V

Efficiency

Min 85% at full load depending on input/output configuration

Operating Temperature Range

0°C to 50°C for full specification Wider range available as option

Temperature Drift

0.03% per °C over operating temperature range

Cooling

By high quality built-in fans and by conduction by installing unit on heat-sinking surface (chassis or cabinet wall)

Environmental Protection

Basic ruggedizing Conformal coating

Shock/Vibration

IEC 61373 Cat 1 A&B

Humidity

5 - 95% non-condensing

MTBF

140,000 hours @ 45 °C (fans excluded) Demonstrated MTBF is significantly higher.

Indicators

Output ON LED visible through the cooling slots

Control Input

None on standard version Available as option

Alarm Outputs

Not installed Available as option

Package/Dimensions (W x H x D)

F6W: 254 x 65 x 349 mm 10" x 2.6" x 13.75" including connectors and flanges

Weight

Approx. 3.4 kg (7.5lb)

Connections

Input: 7-pole terminal block with 3/8" spacing
Output: 12-pole terminal block with 3/8" spacing

RoHS Compliance

Compliant

Warranty

Two years subject to application within good engineering practice Contamination related failures and shipping cost excluded

Terminal Block Pin-Out

200VDC OUTPUT													380VAC (L-L), 3-PHASE INPUT							
NOT USED	NOT USED	+	+	-	-	NOT USED	NOT USED	NOT USED	GND ÷	\times	NOT USED	\triangleright	<	⋛	\times	ᇎ	\times	라 ∼	\times	
1	2	3	4	5	6	7	8	9	10	11	12		1	2	3	4	5	6	7	

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 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



ABSOPULSE ELECTRONICS LTD

110 Walgreen Road, Ottawa. Ontario | KOA 1LO | CANADA Tel: +1-613-836-3511 | Fax: +1-613-836-7488

E-mail: absopulse@absopulse.com | http://www.absopulse.com