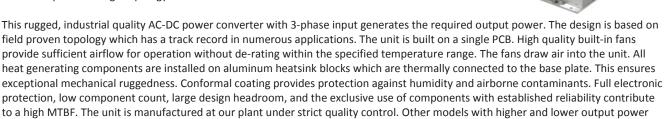
3-phase, 400V or 480V Input, 1000W Industrial Quality Power Supply HTP 1K-F6W

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



SPECIFICATIONS

Input Voltage

are also available.

400Vac, 3-phase (360-440V) 480Vac, 3-phase (430-530V) 47-63Hz 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

3000Vdc input to chassis 4300Vdc input to output 5600Vdc type test 1000Vdc output to chassis

Standards

Designed to meet EN60950-1 and related standards

EMI

EN55022 Class A with margins

Switching Frequency

55kHz ±3kHz

Output Voltage

24V, 48V, or 125Vdc. Other voltages upon request Output is floating; either terminal can be grounded

Redundancy Diode

Not installed Available on request

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 0.2% rms or 1% peakto-peak of the output voltage (20MHz BW)

Output Overload Protection

Rectangular current limiting with short-circuit protection
Thermal shutdown in case of insufficient cooling (self-resetting)

Output Overvoltage Protection

Second regulator loop completely stable and independent of the main regulator loop

Efficiency

Min 80% 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 $^{\circ}$ 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

130,000 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: 3-pole terminal block with 1/2" spacing
Output: 12-pole terminal block with3/8" spacing

RoHS Compliance

Compliant

Warranty

Two years subject to application within good engineering practice

Terminal block Pin-Out

INPUT						
	≥ ⊒		₽		≥⊒	
1	2	3	4	5	6	7

