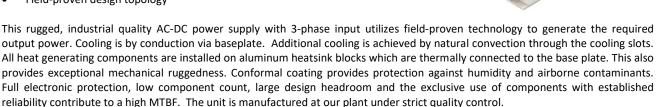
3-phase, 400V or 480V Input, 300W Industrial Quality AC-DC Power Supply HTP 300-FX

- Rugged industrial quality
- 3-Phase input
- Cooling by conduction/convection
- Full electronic protection
- Field-proven design topology



SPECIFICATIONS

Input Voltage

Standard inputs are: 400Vac, 3-phase (360-440V) 480Vac, 3-phase (430-530V) 47-63Hz Other input voltages on request

Input Protection

Inrush current limiting
Varistor
Internal safety fuse
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 EN62368-1 and related standards

EMI

EN55032 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 °C over operating temperature range

Cooling

Conduction via base plate and natural air 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 @ 45 °C 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)

FX: 153 x 67 x 351 mm 6" x 2.63" x 13.8" Includes baseplate, excludes terminals Mounting holes are clear

Weight

Approx. 2.2 kg (4.9 lb)

Connections

12-pole barrier type terminal block with 3/8" spacing for all connections. Common terminals for load and battery.

RoHS Compliance

Compliant

Warranty

Two years subject to application within good engineering practice

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.



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