

Industrial Power Supply, 2 – 3kW HVC 2K Series

- Up to 3000W output power with built-in fan cooling
- AC or DC input
- Full electronic protection
- Robust industrial quality
- Field-proven design
- N+1 redundancy available



The HVC 2K Series AC/DC converter is comprised of four field-proven modules (two FIB 1000 and two KHO 1502), to generate 2000 – 3000W output power at the most frequently used industrial voltages of 96V, 125V, 136V, 250V, 300V or 400Vdc. This fan-cooled unit features low component count and high efficiency. The use of high quality components and rigorous quality control results in an MTBF exceeding 100,000 hours at 45°C.

SPECIFICATIONS

Input Voltage

230Vac ±15%
47 - 63Hz
115Vac and other inputs on request.
DC inputs also available

Input Protection

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

Input Isolation

2250Vdc input to chassis
4300Vdc input to output,
8mm spacing
500Vdc or 1000Vdc output to chassis

Standards

Designed to meet EN60950 and related standards

EMI

Meets EN 55022 Class A

Hold Up Time

Minimum 10ms at full load for
5% drop of output voltage

Output Voltages

85Vdc/23A, 125Vdc/16A,
136Vdc/15A, 250Vdc/8A,
300Vdc/6.6A or 400V/5A
Consult factory for other voltages or higher power levels

Redundancy Diode

Optional

Line/Load Regulation

± 1% combined, including output isolation diode

Output Ripple/Noise

Better than 1% of output voltage peak to peak or 0.2% RMS of the output voltage (20MHZ BW)

Overload Protection

Current limiting with short circuit protection
Self-resetting thermostat for thermal protection

Output Overvoltage Protection

Double regulator loop

Efficiency

Min 85% at full load

Operating Temperature

0 °C to +50°C at full power without de-rating
Extended temperature range available

Temperature Drift

0.03% per °C over operating temperature range

Cooling

Built-in fans

MTBF

100,000 hours @45°C
(Fans not included)

Indicators

None

Alarm Output

Optional

Environmental Protection

Basic ruggedizing. (Full ruggedizing and conformal coating as option)

Dimensions (W x H x D)

11.5" x 5.3" x 16.25"

Weight

22 lb (10 kg)

Connections

Input/output: Compression-type terminals

Warranty

Twelve months subject to application within good engineering practice

Enhancements to these general specifications and customizing can be accommodated upon request. Specifications 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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