

## 300W, DUAL-OUTPUT POWER SUPPLY HBC265 SERIES - ENCLOSED CASE

- Compact size: 11.40" x 5.20" x 2.43"
- Two regulated and adjustable outputs
- 300W/400W of output power
- Full electronic protection
- Telecom quality
- Field-proven design topology
- Also available as plug-in module
- N+1 redundancy available



The HBC265 Series of AC/DC converters uses a field proven high frequency half-bridge technology to generate 300W of output power with convection cooling and 400W if forced air is available. Virtually any DC output is possible with short delivery times. This low profile design features low component count and high efficiency. The use of high quality components and rigorous quality control results in an MTBF exceeding 200,000 hours at 45°C.

### SPECIFICATIONS

#### Input Voltage

115/230VAC +/- 15%  
47 - 63Hz  
Auto-ranging available

#### Input Protection

Thermal Fuse  
Inrush current limiting

#### Input Isolation

2250VDC input to chassis  
4300VDC input to output,  
8mm spacing  
500VDC output to chassis

Full compliance to IEC950, CSA  
22-2-950 and UL 1950

Please contact factory for approval  
status for the requested  
input/output configuration EMI  
Meets EN 55022 Class A

#### Output Voltages

Up to 200VDC per output  
Up to 15 Amps per output  
300W with convection  
400W with forced air

Consult factory for specific  
voltage combinations

#### Line/Load Regulation

+/-1% combined for main output  
with other output tracking

#### Output Over-voltage Protection

Double regulator loop on main  
output, second output tracking

#### Overload Protection

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

#### Efficiency

Min 80% at full load

#### Output Ripple/Noise

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

#### Hold Up Time

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

#### Operating Temperature

0 to +50°C with convection.  
Extended temperature range  
available

#### Temperature Drift

0.03% per °C over operating  
temperature range

#### Dimensions

F Package: 11.4" x 5.2" x 2.43"

#### Connections:

Screw type terminal block  
For other connectors please  
consult factory

#### Warranty

Twelve months subject to  
application within good  
engineering practice

Enhancements to these general specifications and customizing can be accommodated upon request  
Designed to meet all approval requirements

---

**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.

**ABSOPULSE ELECTRONICS LTD**  
110 Walgreen Road  
Carp, Ontario K0A 1L0 CANADA

Tel: (613) 836-3511 Fax: (613) 836-7488 E-mail: [absopulse@absopulse.com](mailto:absopulse@absopulse.com)  
Visit us at [www.absopulse.com](http://www.absopulse.com)