

300W, SINGLE-OUTPUT, MODULAR POWER SUPPLY LOT65 SERIES - PLUG-IN MODULE

- Compact size - 4U x 16HP x 304mm
- Single regulated and adjustable output
- 300W of output power
- Full electronic protection
- Telecom quality
- Field-proven design
- Also available in a stand-alone version
- N+1 redundancy available



The LOT65 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 plug-in design features low component count and high efficiency. The use of professional quality components and rigorous quality control results in an MTBF exceeding 200,000 hours at 45°C. The LOT65 features full electronic protection, high efficiency and low output noise. Options include extended operating temperature and N+1 redundancy.

SPECIFICATIONS

Input Voltage

115/230VAC +/- 15%
47 - 63Hz switch selectable
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

Output Voltages

12V/25A; 24VDC/12.5A,
48VDC/6.25A, 125VDC/2.4A
standard, with convection cooling

Consult factory for other voltages
and higher output power

Line/Load Regulation

+/-1% combined

Output Over-voltage Protection

Double regulator loop

Overload Protection

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

Efficiency

Min 80% at full load

RFI Suppression

Meets FCC 20780 Class A
and EN 55022 Class A
conducted emissions

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
cooling. Extended temperature
range available

Temperature Drift

0.03% per °C over operating
temperature range

Dimensions

Plug-in module:
4U x 16HP x 304mm

Connections:

H15 DIN connector
For other connectors please
consult factory
LOT65 is pin compatible with the
HBC419 series

Alarm Output

Form C relay contact for
summarized alarm for shelf
Optocoupler output for plug-in
module (low - normal)

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**

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