

100W, TRIPLE OUTPUT PLUG-IN POWER SUPPLY LIN67 SERIES - FOR MODULAR SYSTEMS

- Compact size - 3U x 10HP x 220mm Eurocard
- 100W output with convection cooling
- Triple output
- Full electronic protection
- Telecom quality
- Field-proven design topology
- Also available in stand-alone package
- N+1 redundancy available



The LIN 67 Series of AC/DC converters uses high frequency dual FET forward topology to generate 100W output power. 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 100,000 hours at 45°C. The LIN67 modules can be parallel-connected for greater output power and/or to achieve n+1 redundancy.

SPECIFICATIONS

Input Voltage

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

Input Protection

Thermal Fuse
Inrush current limiting

Input Isolation

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

Compliance to IEC950, CSA
C22.2 No. 950 and UL 1950
Please contact factory for approval
status for the requested
input/output configuration

Output Voltages/Currents

+5VDC @ 12Amp adjustable 5.0
to 5.5V (Front panel access)
12VDC @ 1Amp, fixed output
voltage
-12VDC @ 1Amp, fixed output
voltage
Consult factory for other voltages

Line Regulation

0.5% for all outputs

Load Regulation

±3% from 10% load to full load
for +5V, incl. redundancy diode
± 1.5% from 20% load to full load
for ± 12V outputs with +5 output
loaded at least 20%. Output
redundancy diodes included.

Output Over-voltage Protection

Double regulator loop for +5V
output. 15V transzors for ± 12V
outputs

Overload Protection

Rectangular current limiting with
short circuit protection. Thermal
shutdown with automatic reset in
case of continuous overload.

Efficiency

Min 80% at full load

EMI

Meets EN 55022 Class A
as a minimum

Output Ripple/Noise

High frequency ripple is better
than 20mVrms or 50Vpp for +6V
output and better than 30mVrms
or 100mVpp for ± 12V outputs
(20MHz BW); 60 Hz ripple is
20mVrms maximum

Hold Up Time

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

Operating Temperature

0 to +50°C for full specification
with convection cooling.

Temperature Drift

0.03% per °C over operating
temperature range

Dimensions

Module: 3Ux 220mm x 10HP
Shelf: 3U x 19" or 23"

Connections:

Plug-in module: H15 Connector
Shelf: screw type terminal block
on rear of shelf
For other connectors please
consult factory

Warranty

Twelve months subject to
application within good
engineering practice

Enhancements to these general specifications can be accommodated upon request
Designed to meet common approval requirements. 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 BAPT-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
Visit us at www.absopulse.com