

# 100W, TRIPLE OUTPUT POWER SUPPLY LIN67 SERIES

- Compact
- 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 are also available in Eurocard format.

## 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

### EMI

Meets EN 55022 Class A  
as a minimum

### 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

### 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

Stand-alone F2 package:  
4.42" x 10.0" x 2.25"

### Connections:

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**

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