

WALL-MOUNT 12V DC-OUTPUT UPS UPS 12-7AH

- Made in North America
- Universal Input 95 - 264VAC
- Convection cooled - no fan
- Single output
- Fully protected
- Meets approval requirements



This unit is a small UPS with 12VDC output. A built in BCH 060 battery charger module provides 4A current for 3A rated output and for float charging the built-in 7Ah battery. During normal operation, the UPS 12-7AH serves as a power conditioner, blocking surges, spikes and transients while maintaining stable voltage and float-charging the built-in 7Ah gel-cell battery. If the AC power fails, the battery powers the load. The unit also has a low battery disconnect circuit to prevent damage to the battery by low discharge during prolonged AC failure. Mounting flanges on the stainless steel case allow for either surface or wall mounting.

SPECIFICATIONS

Input Voltage

95-264V AC universal
47-63Hz
Input Current: 1.0Arms max.

Input Protection

Inrush current limiting
Varistor S14K275
Internal safety fuse
Lower voltage than the specified min.
input will not damage the unit

Isolation

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

Standards

Designed to meet requirements
for UL 60950

EMI

EN55022 Class B

Switching Frequency

47kHz +/- 2kHz

Output Voltages/Currents

13.6VDC +/-0.1V/3A
Total 50W max. (incl. 1A for
charging). The output is
floating; either terminal can be
grounded

Line/Load Regulation

± 2% combined from zero load to
full load

Output Ripple/Noise

Better than 30mVrms or 120mVpp
(@20MHz BW) without battery)

Output Overload Protection

Rectangular current limiting with
hiccup type short-circuit protection
on the charger section
Current Limit: +4.5A +/- 0.5A
without battery
Internal fuses:
Battery: 15A fuse
Output: 5A fuse

Output Over-voltage Protection

Second regulator loop set at
15.0V +/- 1V

Low Voltage Disconnect

10.5V +/- 0.5V

Efficiency

Min. 80% at full load

Operating Temperature Range

0 to +40°C for full specification

Temperature Drift

0.03% per deg C over operating

Cooling

Natural convection and
conduction via chassis

MTBF

150,000h at 45°C, battery
excluded

Indicators

Internal power ON LED for
service purposes

Control Input

None

Alarm Outputs

None

Environmental Protection

Basic ruggedizing

Package/Dimensions

Stainless steel case
6.2 x 10" x 2.8" including
mounting flanges

Weight

4.55 kg (10 lb.) including
battery

Connections

Compression type Phoenix
terminal block (inside the case).
Cable reliefs for incoming and
outgoing cables

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 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 BABT-approved Facility.



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