

MPS 12-100

Outdoor Multipurpose Battery Backup System
12Vdc, 100W



Your Power Solutions Partner

- Compact, integrated UPS system designed to operate in extreme environments
- NEMA 3R rated enclosure for superior reliability in outdoor applications
- Wide AC input voltage range (90-264V) for worldwide deployments
- Multiple mounting options to accommodate space limitations

The MPS 12-100 is an outdoor rated, multipurpose uninterruptible power supply (backup power solution) that supports 12V loads up to 100W.

Protected by an outdoor rated (NEMA 3R) enclosure, the MPS 12-100 excels in the most severe weather conditions. With standard wall mount or optional pole mount kits, the installation of the MPS 12-100 is quick and easy, helped by the small compact design and light weight.

In addition to the key protection features such as overload protection, over voltage protection, low battery cut off, and battery reverse polarity protection; two alarm signals for AC power outage (AC FAIL) and battery discharge (low battery) conditions are provided via contact relays.

The MPS 12-100 is available in two models: a basic model that include a single 7.2Ah battery providing >30 min of runtime; and an extended power backup model providing >8 hours runtime @ 80W load.



Power

Outdoor Multipurpose Power Supply 12Vdc 100W

P/N 0100032-001 MPS 12-100 with one 7.2Ah Battery
 P/N 0100036-001 MPS 12-100 8 hour backup
 P/N 0380452-001 Pole Mount Kit

ELECTRICAL

Input Voltage Range:90 to 264Vac
 AC Input Frequency:.....47 to 63Hz
 Output Voltage:12-15Vdc
 Rated Output Current:.....7.6A
 Ripple:.....<150mV p-p
 Line Regulation:±0.5%
 Load Regulation:.....±0.5%

MECHANICAL

P/N 0100032-001

Dimensions:
 mm:.....292H x 381W x 152D
 inches:11.5H x 15W x 6D
 Weight:.....10.5kg (23lbs)-incl. one 7.2AH battery

P/N 0100036-001

Dimensions:
 mm:.....603H x 356W x 140D
 inches:23.8H x 14W x 5.5D
 Weight:.....10.4kg (23lbs) (without batteries)

Mounting: Pole and wall
 Connections:..... Terminal blocks



Picture shown above is representative of P/N 0100036-001

ENVIRONMENTAL

Temperature:
 Operation:-20 to 46°C (-4 to 115°F) plus solar loading
 Storage:-20 to 85°C (-4 to 185°F)
 Enclosure Rating:NEMA 3R
 Humidity:20 to 90% RH
 Elevation:.....-500 to 2800m (-1640 to 9186ft)

PERFORMANCE/FEATURES

Batteries:
 • 7Ah to 9Ah valve regulated lead acid (VRLA)
 • P/N 0100032-001 includes one 7.2Ah battery
 • P/N 0100036-001 houses 8 batteries (sold separately)

Battery Runtime:
 • P/N 0100032-001: >30 minutes for an 80W load
 • P/N 0100036-001: > 8 hours for an 80W load

Alarm..... Two relay: AC OK, Battery Low

AGENCY COMPLIANCE

Safety:.....CSA/UL 60950-1
 EMC:FCC Part 15 Class A
 EN 55022 Class B
 Immunity:.....EN 61000-3-2
 EN 61000-3-3
 EN 61000-4-2
 EN 61000-4-3
 EN 61000-4-4
 EN 61000-4-5
 EN 61000-4-6
 EN 61000-4-8
 EN 61000-4-11

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