Eaton's MPS12-30 Micro Power Solution provides secure DC power for 'next generation' customer premise equipment (CPE) including fibre based communication and IP telephony applications. An integrated battery provides secure power backup to critical services such as phone, medical alert, home automation and security during a commercial (mains) AC power outage.

Typical backup time on battery power is approximately 4 to 8 hours depending on factors such as usage, battery age, state of charge, and environmental conditions. The MPS12-30 indoor solution greatly improves battery service life compared to comparable outdoor designs.

The MPS12-30 is the ideal secure power protection unit where continuation of critical services is the objective.

Features

- Universal input range of 80 - 260VAC
- 12V DC (30W max.) output
- Integrated, hot-swappable battery backup allows replacement by the owner, without power interruption
- Microprocessor controlled for maximizing reliability
- Audible power failure alarm with mute
- Digital outputs for remote monitoring
- Wall mountable design for flexibility
- Multiple LED design for AC power and battery status indications
Technical Specifications

Brief Technical Specifications

AC Supply
- Input range: 80-260Vac
- Input frequency Range: 45-65Hz
  Inlet: IEC inlet

DC Output
- Output power (max.): 30W
- Nominal voltage: 12VDC
- Output Voltage Range: 10.5 – 13.8VDC
- Tolerance: 10.5V ±0.2V, +0.25V
  13.8V ±0.35V, +0.15V
- Output Protection: 80%
  10Amps fuse soldered on PCB

Battery
- Typical type/rating: 12V/7Ah (see figure 1)
- Discharge prevention: 10.5V ± 0.5V
- Rated charging voltage: 13.7V ± 0.25V
- Recharge time (internal battery): 4 hours to 90% without load after complete discharge
- Charge current: 2.5A maximum
- Hot swappable

LED Indicator
- AC mode: green LED continuous
- Backup mode: yellow LED continuous
- Battery low: yellow LED flashing
- Battery replace: red LED flashing
- Battery missing: red LED continuous
- Fault: red LED continuous
- Battery self-test: green LED flashing

Audible Alarm
- Battery mode: every 5 seconds
- Battery low: every 1 second
- Battery replace: every 2 seconds
- Battery missing: continuous
- Fault: continuous

Physical Specification
- Weight of unit: 3.5kgs
- Dimensions H, W, D: 358mm, 120mm, 85.6mm
- Operating temperature: 0°C to 40°C
- Operating humidity: 0% to 90%
- Operating elevation: 0 to 3000m

Certifications
- All products comply with international standards.
- Europe: CE

In the interests of continual product improvement all specifications are subject to change without notice. Performance ratings are valid with all other variables at Nominal. Specifications guaranteed over rated operating range.

Figure 1: 12V/7Ah Battery Capacity

*Battery times are approximate and vary depending on factors such as:
- battery type
- load configuration
- battery charge
- battery age and temperature.

Country/Region Product Variance

Standard Product
MPS12-30 - Micro Power Solution, 12V, 30Watt, Includes Battery. AC cordset not included.

United Kingdom
MPS12-30-UK - Micro Power Solution, 12V, 30Watt, Includes Battery and UK 3pin cordset.

European Union
MPS12-30-EU - Micro Power Solution, 12V, 30Watt, Includes Battery and Schucko cordset.

Australia and New Zealand
MPS12-30-ANZ - Micro Power Solution, 12V, 30Watt, Includes Battery and Australia/New Zealand cordset.

North America
MPS12-30-NA - Micro Power Solution, 12V, 30Watt, Includes Battery and North America cordset.

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