

# MPS12-30

## Secure Micro Power Solution for In-Home Optical Network Terminals (ONT)



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



*Powering Business Worldwide*

# 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

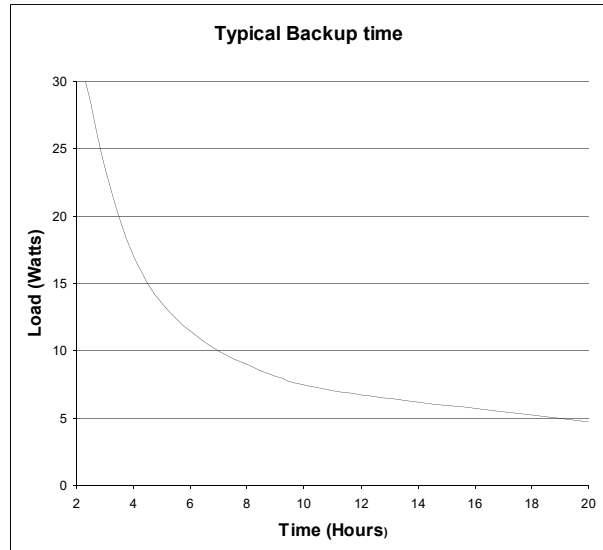
All products comply with international standards.

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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