

Whisper Outdoor UPS Solution



The **Eaton® Whisper Outdoor UPS Solution** is a versatile and ruggedised solution designed for applications where a very high reliability AC supply is required.

The capacity for substantial battery backup ensures that an extended UPS runtime can be achieved.

An **Eaton® Matrix™ Modular Inverter Solution** provides a scalable inverter system which can be configured from 1.5kVa to 12kVa depending on the load.

With its versatile “building block” design and n+x redundant configuration, the Matrix ensures reliable telecommunication and industrial AC power.

The Matrix Static Transfer Switch provides automatic and instantaneous load transfer between mains power and inverter power and back again, to ensure uninterrupted AC supply.

The Matrix inverter solution is supported by an **Eaton® APS6 DC Power System**, which provides reliable 48V DC power via Eaton Energy Saver (ES) Access Power rectifiers with an operating efficiency in excess of 96%.

The UPS solution is housed in an **Eaton® Whisper Cabinet™**. Double-skinned marine grade aluminium construction provides the highest level of equipment protection along with long life and zero maintenance for the cabinet.

The equipment bay is cooled by a powerful air to air heat exchanger system with the ability to dissipate up to 1300W of heat.

Batteries are mounted in a separate compartment for ease of access.

A separate accessory bay with optional blank backplane allows for the installation of associated support equipment.



Features

- Ruggedised – for protection from the environment
- Scalable – Power output from 1.5kVA to 12kVA
- Extended runtime – to keep you up and running for longer
- Battery size options – to tailor UPS runtime
- On-line double conversion – for pure sine wave output
- Maintenance free – to keep running costs to a minimum
- NES approved – design accepted by local councils
- Whisper quiet operation – minimise noise pollution
- Removable fan plates – to simplify servicing
- Double skin design – a cabinet within a cabinet
- Anti-graffiti finish – easily remove aerosol and marker graffiti
- Three point locking – secures cabinet against tampering
- Seismic resilience – for reliability in adversity



Powering Business Worldwide

Technical Specifications

UPS

| | |
|-----------------|---|
| Type | Eaton Matrix Modular Inverter Solution |
| UPS Input | 230V AC Single or Three Phase |
| Inverter Input | 48V DC |
| UPS Output | 230V AC Single Phase |
| Output Power | 1.5kVA - 12kVA |
| Output Waveform | Pure sine wave |
| Efficiency | Min 88% at rated load |
| AC Distribution | 63A Isolator + RCD protected socket + 6 Spare |
| Dimensions | 8U x 19" x 330mm (HxWxD) |

DC Power System

| | |
|----------------------|---------------------------|
| Type | Eaton APS6-300 48V |
| Output Power | Scalable to suit UPS load |
| Rectifier Efficiency | 96% |
| Dimensions | 6U x 19" x 335mm (HxWxD) |

Cabinet

| | |
|-----------------------|--|
| Type | Whisper Single Bay Cabinet |
| Construction | 2mm marine grade aluminium cabinet 3mm hot dip galvanised mild steel base |
| Finish | Anti-graffiti powder coating |
| Colour | Forest Green or Mossvale Sands (beige) |
| Equipment Space | 27U x 19-23" x 350mm (HxWxD) |
| Thermal Performance | 1300W per 10°C above ambient (in equipment bay) |
| Operating Temperature | -20°C to +45°C |
| IP Rating | IP56 (equipment bay) IP54 (accessory and battery bay) |
| Seismic Rating | 2g in any direction |
| Dimensions | 1500mm x 1650mm x 600mm (HxWxD) |
| Max Weight | 350kg (as supplied, without batteries) |

Email: dc.info@eaton.com
www.eaton.com/dcpowersolutions

Orderable Items

| | |
|----------------------------------|--|
| Outdoor UPS Beige | WCS-UPS4-BGE: Whisper Outdoor UPS Solution [Mossvale Sands] |
| Outdoor UPS Green | WCS-UPS4-GRN: Whisper Outdoor UPS Solution [Forest Green] |
| Inverter | INV-4815E: 1500VA/1200W inverter module |
| Inverter Blank | INV-IFP-15: Inverter module blank front plate |
| Rectifier | APR48-ES: Energy Saver (ES) rectifier |
| Rectifier Blank | RMB1U-00: Rectifier blank front panel |
| Battery Options (1 or 2 strings) | 993-01100-99: Enersys Teledata 100Ah (MOQ = 4) 993-01150-01: Enersys Teledata 150Ah (MOQ = 4) |
| Accessory Panel | 621-198113-00: Accessory Bay Backplane |
| Lifting Channel | 621-48997-31: Cabinet Lifting Channel (MOQ = 2) |
| Lock Barrels | 40mm Euro profile, keyed per customer requirement |

In the interests of continual product improvement all specifications are subject to change without notice.

| Runtime | Load | | | | | | |
|----------|-------|------|------|------|------|-------|-------|
| | 1kVA | 2kVA | 4kVA | 6kVA | 8kVA | 10kVA | 12kVA |
| 1x 100Ah | 6:00 | 3:00 | 1:30 | 1:00 | 0:45 | 0:36 | 0:30 |
| 1x 150Ah | 9:00 | 4:30 | 2:15 | 1:30 | 1:07 | 0:54 | 0:45 |
| 2x 100Ah | 12:00 | 6:00 | 3:00 | 2:00 | 1:30 | 1:12 | 1:00 |
| 2x 150Ah | 18:00 | 9:00 | 4:30 | 3:00 | 2:15 | 1:48 | 1:30 |

All runtime values are in hours:minutes

Eaton
 EMEA Headquarters
 Route de la Longeraie 7
 1110 Morges, Switzerland
 Eaton.com

© 2021 Eaton
 All Rights Reserved
 Publication No. PS154006EN
 December 2021

Eaton, CellSure, SiteSure, DCTools and PowerManager are trade names, trademarks, and/or service marks of Eaton Corporation or its subsidiaries and affiliates. All other trademarks are property of their respective owners.

Eaton is a registered trademark.
 All other trademarks are property of their respective owners.

Follow us on social media to get the latest product and support information.

