

# Eaton Evolution M

1150 VA



#### Advanced vessel or rig power protection for:

- Small servers
- Storage systems
- Network devices

#### Line interactive UPS

##### Maximum availability

- DNV type approved UPS
- Powershare: the Eaton Evolution output sockets are individually controlled to provide load-shedding to maximise the backup time and provide remote reboot and sequential start-up as standard
- Continuous power supply: Hot swappable batteries. The optional HotSwap MBP (Maintenance By-Pass) module allows the UPS to be replaced without interrupting the power supply
- Pure sinewave output: when operating in batterie mode the Eaton Evolution still provides high quality output signal for sensitive connected equipment

##### Minimum total cost of ownership

- Line-interactive HF technology: the best price/performance ratio
- Remote supervision: a wide range of options using the Eaton Software suite, including point-to-point power management, SNMP, relay outputs, etc...

##### Total flexibility

- The Evolution includes both serial and USB ports, plus remote On/Off connector and an extra slot for optional communication cards. The UPS comes with a complete Eaton software suite.



*Powering Business Worldwide*

# Eaton Evolution UPS

- 1 Full user interface:
  - ON/OFF button for UPS and outlets
  - Load protected/ not protected LED
  - Utilised power level/Battery charge level
  - Status of switchable outlets
- 2 Panel for batteries replacement (Hot swappable)



- 3 1 USB port + 1 serial port + remote ON/OFF
- 4 4 IEC 10A sockets, including 2 programmable sockets
- 5 Communication card slot

Eaton Evolution 1150 Tower

## TECHNICAL SPECIFICATIONS 1150

Rating (VA/W)	1150 VA / 770 W
Format	Tower
<b>Electrical characteristics</b>	
Technology	Line-Interactive High Frequency (Booster + Fader)
Input voltage and frequency ranges without using batteries	160V-294V (adjustable to 150V-294V) 47 to 70 Hz (50 Hz system), 56.5 to 70 Hz (60 Hz system), up to 40 Hz in low-sensitivity mode (programmable using Personal Solution-Pac software).
Output voltage and frequency	230 V (+6/-10 %) (Adjustable to 200 V (10 % derating of output power) / 208 V / 220 V / 230 V / 240 V), 50/60 Hz +/- 0.1 %
<b>Connections</b>	
Input	1 IEC C14 (10 A) socket
Outputs	4 IEC C13 (10 A)
Remotely controlled sockets	2 groups of 1 x IEC C13 (10 A)
Additional outputs with HS MBP	4 FR/Schuko sockets or 3 BS sockets or 6 IEC 10 A sockets or terminal blocks (HW version)
Additional outputs with FlexPDU	8 FR/Schuko sockets or 6 BS sockets or 12 IEC 10 A sockets
<b>Batteries</b>	
Typical backup times for 50 and 70% load	14/7 mn
Battery management	Automatic weekly test (period adjustable), automatic recognition of external battery units => continuous maximisation of backup time + deep discharge protection
<b>Interfaces</b>	
Communication ports	1 USB port + 1 RS232 serial port and relay contacts (USB and RS232 ports cannot be used simultaneously) + 1 mini terminal block for remote ON/OFF and Remote Power Off
Communications card slots	1 slot for NMC Minislot card or NMC ModBus/JBus or MC Contacts/Serial
<b>Operating conditions, standards and approvals</b>	
Operating temperature	0 to 35°C
Noise level	< 40dbA
Performance - Safety - EMC	IEC/EN 62040-1-1 (Safety), IEC/EN 62040-2 EN 50091-2 class B (EMC), IEC/EN 62040-3 (Performance), IEC/EN 61000-4-2, 61000-4-3, 61000-4-4; 61000-4-5, 61000-4-6, 61000-4-8 (EMI) IEC/EN 60945
Approvals	CE, CB report, TÜV, DNV
<b>Customer Service &amp; Support</b>	
2 years warranty	Standard product exchange, including the battery

## Part Numbers

Description	Part number	Dimensions (HxWxD)	Weight
Evolution 1150 Marine	68468	234 x 147 x 418	12,5 kg

## Options

Description	Part number
Network Management Card Minislot 2006 Edition	66102
Network Management Card ModBus/Jbus	66103
Management Card Dry Contacts/Serial	66104

