

ИБП Eaton 9390M 60 kVA - Eaton 9390 Marine UPS - Листовка

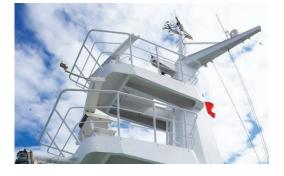
Постоянная ссылка на страницу: https://eaton-power.ru/catalog/eaton-9390-marine/eaton-9390m-60-kva/

Eaton 9390M UPS 40 - 160 kVA



Advanced vessel or rig power protection for:

- Navigation systems
- Emergency lightning
- Computer systems
- General Services





Double conversion UPS

Qualified design for marine and offshore environment

- Compact design for saving space
- Easy to install, mounting rails can be bolted or welded to the deck/bulk head
- IP22 protection class
- Vibration absorbers under and at the back of the cabinet
- Maintenance from the front

Premium power performance

- Double conversion provides the highest level of protection available by isolating the output power from all input anomalies.
- Active power factor correction (PFC) provides 0,99 input power factor and less than 4,5% ITHD, thus eliminating interference with other critical equipment in the same network and enhancing compatibility with generators.
- The UPS is optimized for protecting modern 0,9 p.f. rated IT equipment without the need to oversize.

True reliability

- Patented Powerware HotSync[®] technology makes possible to parallel up to four UPSs to increase availability or add capacity. The technology enables load sharing without any communication line, thus eliminating single point of failure.
- ABM[®] technology charges batteries only when necessary, preventing batteries corrosion and prolonging batteries service life by up to 50%.
- Internal automatic static bypass switch

Extensive configurability

- Configurable to frequency converter operation (50 → 60 Hz and 60 → 50 Hz)
- A multilingual graphical LCD display makes possible to monitor the UPS status easily.
- Wide software and connectivity options provide monitoring, management and shutdown capabilities over network

Cost savings and sustainability

- High level of system efficiency leads to utility cost saving, extension of battery run times and cooler operating conditions within the UPS, which extends the life of components.
- As the compact 9390 can be installed against back and side walls, customers have more location options, installation is faster and easier, deployment costs are lower and more valuable data centre space can be saved for future needs.
- A single technical platform used in Eaton's three-phase UPS products guarantee easy upgrades, similarity or service trainings and documentation, thus lowering total cost of ownership.
- A range of service agreement options can be easily customized for customers needs and budget.
- Eaton uses sustainable materials and highly efficient manufacturing technology, thus generating dramatic savings in carbon footprint as compared to competitive UPS systems.

Eaton 9390M UPS 40-160 kVA Technical Specifications

TECHNICAL SPECIFICATIONS

UPS o	utput pov	With external transformer								
kVA	VA 40 60		80	100	120	160		Output UTHD		
kW	36	54	72	90	108	144		Output power factor		
Gener								Permitted load power fact		
	ncy in do rsion mor	uble le (full load)	94%	94% (without transformer)				Battery		
Efficiency in double				% (withou	t transfor	Туре				
conversion mode (half load) Distributed parallelling with				/0 (0010104		Charging method				
Hot Sync technology						Temperature compensation				
Field u	pgradeal	ole	yes					Battery nominal voltage		
Inverte	er/rectifie	r topology	tran	sformer-fr	ee IGBT v	<u>(lead-acid)</u> Charging current / Mode				
Audible noise			<65	dB		Default Å				
Colour			RAL	RAL 7035				Max* A *May be limited by maximum		
Input								Accessories		
Nominal voltage rating (configurable)			380,	380, 400, 415 V 50/60 Hz				External battery cabinets		
With external transformer			e.g.	230, 440, 4	80, 690 V	SNMP, ModBus/Jbus, Rel Sync parallel tie cabinet, i maintenance bypass swite				
Input voltage range				-15% at 1 ery discha						
Input frequency range				5 Hz	irge, mgn	Communications				
Input power factor			0,99	0.112		X-Slot				
Input ITHD			,	than 4,5%		Serial ports				
Soft start capability			Yes			Relay inputs/outputs				
Internal backfeed protection						Compliance with standard				
			103		I	1		Classification survey repo		
Output Nominal voltage rating (configurable)			380,	380, 400, 415 V 50/60 Hz						

With external transformer	e.g. 230, 440, 480, 690 V								
Output UTHD	<3% (100% linear load); <5% (reference non linear load)								
Output power factor	0,9 (e.g. 72 kW at 80 kVA)								
Permitted load power factor	0,7 lagging - 0,8 leading								
Battery									
Туре	Maintenance free VRLA batteries, NiCd								
Charging method	ABM technology or Float								
Temperature compensation	Optional								
Battery nominal voltage (lead-acid)	480 V (40 x 12 V, 240 cells)								
Charging current / Model	40 60 80 100 120 160								
Default A Max* A	10 20 20 30 30 40 20 40 40 60 60 80								
*May be limited by maximum UPS									
Accessories									
External battery cabinets with long-life batteries, X-Slot connectivity (Web/ SNMP, ModBus/Jbus, Relay, Hot Sync, ViewUPS-X remote display), Hot Sync parallel tie cabinet, integrated manual bypass up to 80 kVA, external maintenance bypass switch									
Communications									
X-Slot	communication bays								
Serial ports	available								
Relay inputs/outputs	i/1 programmable								

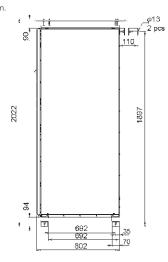
rds

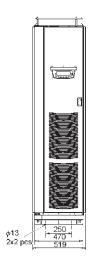
ort On request

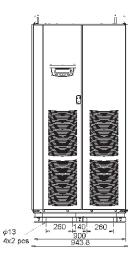
Standard UPS

Standard UPS							
Description	Rating	Dimensions (HxWxD)	Weight				
9390-60-U-M	60 kVA / 54 kW	2022x519x808 (+110) mm	363 kg				
9390-80-N-M	80 kVA / 72 kW	2022x519x808 (+110) mm	363 kg				
9390-100-U-M	100 kVA / 90 kW	2022x944x808 (+110) mm	485 kg				
9390-120-N-M	120 kVA / 108 kW	2022x944x808 (+110) mm	485 kg				
9390-120-U-M	120 kVA / 108 kW	2022x944x808 (+110) mm	585 kg				
9390-160-N-M	160 kVA / 144 kW	2022x944x808 (+110) mm	585 kg				
Standard external battery							
Description	Rating	Dimensions (HxWxD)	Weight				
9390-BAT-M-S-40x38Ah	38 Ah	2022x575x808 (+110) mm	740 kg				
9390-BAT-M-S-200	53 Ah	2022x575x808 (+110) mm	1216 kg				
9390-BAT-M-280	83 Ah	2022x1125x808 (+110) mm	1504 kg				
9390-BAT-M-330	94 Ah	2022x1125x808 (+110) mm	1685 kg				
9390-BAT-M-500	130 Ah	2022x1125x808 (+110) mm	2248 kg				

See runtime from the runtime specification.









© 2014 Eaton All Rights Reserved 00DATA1018145 Rev C, November 2014

www.eaton.com/powerquality/marine

Eaton is a registered trademark.

All other trademarks are property of their respective owners.