Eaton 9SX Marine UPS

1000/3000 VA

DNV-GL type approved 9SX Marine UPS with installation kit and Marine filter.

9SX graphical LCD

Advanced protection for:

- Bridge systems
- Navigation systems
- Communication systems
- Small computer and automation systems

Online double conversion UPS
Successor of the market-leading 9130 Marine UPS

Performance and Availability

- Double-conversion topology. The Eaton 9SX Marine constantly monitors power conditions and regulates voltage and frequency.
- The internal bypass allows service continuity in case of internal fault, a maintenance bypass is also available (as option) for easy replacement of the UPS without powering down critical systems.
- With coated boards and hi-temperature compatibility, 9SX Marine is designed for Marine & Offshore environments.
- Stronger, longer battery life: Eaton ABM® battery management technology uses an innovative three-stage charging technique that extends battery life by up to 50%. 9SX Marine also provides recommended replacement date for batteries.
- DNV-GL type approved UPS (with Installation kit and Marine filter)

Manageability

- The new graphical LCD provides clear information on the UPS's status and measurements on a single screen. Enhanced configuration capabilities are also available.
- The 9SX Marine can meter energy consumption. kWh values can be monitored using the LCD or Eaton's Intelligent Power® Software.
- Load segment control enables prioritised shutdowns of non-essential equipment to maximise battery runtime for critical devices.
- 9SX Marine offers Serial, USB connectivity, plus an extra slot for an optional communication card. Eaton's Intelligent Power® Software seamlessly integrates with leading virtualisation environments and cloud orchestrations tools.

Flexibility

- Configurable to frequency converter operation (50 -> 60Hz and 60 -> 50Hz), or Marine mode (output frequency follows input frequency).
- Easy to install, mounting rails can be bolted or welded to the deck/bulk head or shelf. Installation kit includes vibration absorbers that are mounted under the UPS cabinet.
- More runtime can be added with up to 4 external hot-swappable battery modules, able to run systems for hours if necessary. The additional battery modules are automatically recognized by the UPS.

Powering Business Worldwide

Eaton 9SX Marine UPS

1 Remote Power Off connector (configurable)

2 Slot for Management card

3 External battery module (EBM) connector with automatic detection (RJ11)

4 Relay output

5 USB and serial ports

6 Input/Ouput connections with locking system

7 Marine filter

8 Installation kit (vibration dampers)

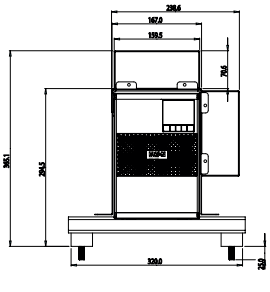
Technical specifications

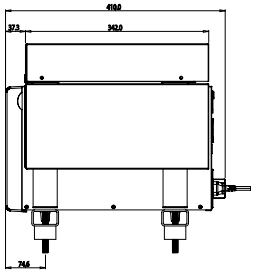
	1000 VA			3000 VA		
Rating (VA/W)	1000 VA/900W			3000 VA/2700W		
Format	Tower					
Electrical characteristics						
Technology	On-line double-conversion with Power Factor Correction (PFC) system					
Nominal voltage	200/208/220/230/240V					
Input voltage range	190-276V without derating (up to 120-276V with derating)			200-276V without derating (up to 140-276V with derating)		
Input frequency range/THDI	40-70Hz, 50/60Hz autoselection, frequency converter mode					
Connections						
Input	1 IEC C14 (10A)			1 IEC C20 (16A)		
Outputs	6 IEC C13 (10A) sockets			8 IEC C13 (10A) sockets + 1 IEC C19 (16A) socket		
Switched Outlet Group	2 outlet groups					
Batteries						
Typical backup times* (minutes)/load	300W	500W	800W	1200W	1800W	2500W
9SX 1000	24	14	7			
9SX 1000 + 1 EBM/+ 4 EBM	90/320	56/200	33/120			
9SX 3000	78	45	29	17	10	6
9SX 3000 + 1 EBM/+4 EBM	290/1100	175/630	108/421	68/255	45/168	30/112
Battery management	ABM® or Temperature compensated charging method, automatic battery test, deep discharge protection, automatic EBM recognition.					
Communication						
Communication ports	1 USB port + 1 serial RS232 port + 1 mini-terminal block for Remote Power Off + 1 mini-terminal block for Output relay					
Communication slot	1 slot for Network-M2, Network-MS, ModBus-MS or Relay-MS cards					
Operating conditions, standards and approvals						
Operating temperature	0 to 40°C					
Typical noise level	41dB			45dB		
Safety	IEC/EN 62040-1, UL 1778, CSA 22.2					
EMC	IEC/EN 62040 -2 , FCC Class B, CISPR22 Class B					
Approvals & marking	DNV-GL Type approved /CE /CB report (TUV) / cULus / EAC / RCM					
Dimensions H x W x D in mm/Weight						
UPS	252x160x387/15kg			346x214x412/34kg		
EBM	252x160x387/19kg			346x214x412/48.7kg		
Customer service and support						
Warranty	2 years					

* Backup times are approximate and may vary with equipment, configuration, battery age, temperature, etc.

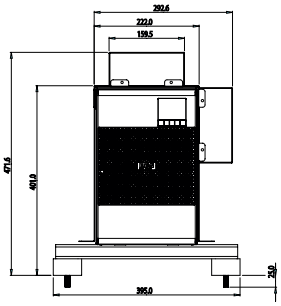
Parts numbers	9SX 1000VA Marine	9SX 3000VA Marine
UPS Tower	9SX1000IM	9SX3000IM
Installation kit *	9SXIK1KI	9SXIK3KI
Marine filter *	9SXMF3KI	9SXMF3KI
EBM Tower **	9SXEBM36T	9SXEBM96T
2m battery connection cable	EBMCBL36T	EBMCBL96T

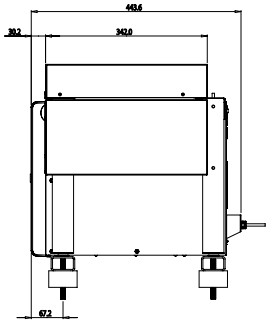
* Installation kit and Marine filter are requiredfor DNV-GL type approval, ** 2m battery cable required to install EBM with a 9SX Marine UPS.





9SX1000IM





9SX3000IM

vmware READY MANAGEMENT AND ORCHESTRATION

Microsoft Partner Network

Eaton Industries Manufacturing GmbH
Electrical Sector EMEA
Route de la Longeraie 7
1110 Morges, Switzerland
Eaton.eu

© 2018 Eaton All Rights Reserved
Printed in Europe
Publication No.PA153009EN
Octobre 2018

Changes to the products, to the information contained in this document, and to prices are reserved; so are errors and omissions. Only order confirmations and technical documentation by Eaton is binding. Photos and pictures also do not warrant a specific layout or functionality. Their use in whatever form is subject to prior approval by Eaton. The same applies to Trademarks (especially Eaton, Moeller, and Cutler-Hammer). The Terms and Conditions of Eaton apply, as referenced on Eaton Internet pages and Eaton order confirmations.

Eaton is a registered trademark.

All other trademarks are property of their respective owners.

Powering Business Worldwide