

# 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/Output connections with locking system
- 7 Marine filter
- 8 Installation kit (vibration dampers)

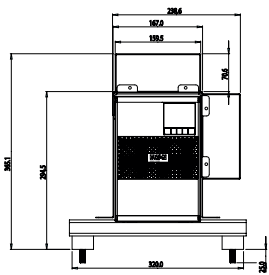
## Technical specifications

	1000 VA	3000 VA			
Rating (VA/W)	1000 VA/900W	3000 VA/2700W			
Format	Tower				
<b>Electrical characteristics</b>					
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				
<b>Connections</b>					
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				
<b>Batteries</b>					
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.				
<b>Communication</b>					
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				
<b>Operating conditions, standards and approvals</b>					
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				
<b>Dimensions H x W x D in mm/Weight</b>					
UPS	252x160x387/15kg		346x214x412/34kg		
EBM	252x160x387/19kg		346x214x412/48.7kg		
<b>Customer service and support</b>					
Warranty	2 years				

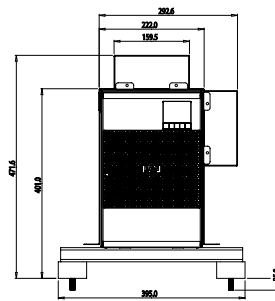
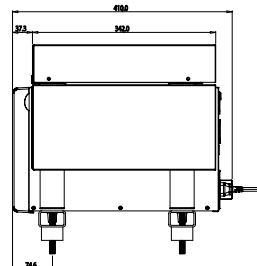
\* Backup times are approximate and may vary with equipment, configuration, battery age, temperature, etc.

Parts numbers	9SX 1000VA Marine	9SX 3000VA Marine
UPS Tower	9SX1000IM	9SX3000IM
Installation kit *	9SXI1K1	9SXI3K1
Marine filter *	9SXM3K1	9SXM3K1
EBM Tower **	9SXE3M36T	9SXE3M96T
2m battery connection cable	EBMCBL36T	EBMCBL96T

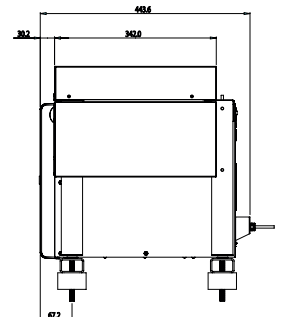
\* Installation kit and Marine filter are required for DNV-GL type approval, \*\* 2m battery cable required to install EBM with a 9SX Marine UPS.



9SX1000IM



9SX3000IM



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