

# Eaton 9PX Marine UPS

## 1500–3000W

Datasheet



9PX Marine UPS

### Energy-efficient double conversion UPS

#### Reliability

- Double conversion topology 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 for easy replacement of the UPS.
- With coated boards and hi-temperature environment compatibility, 9PX 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%.
- DNV-GL type approved UPS.

#### Manageability & Flexibility

- The graphical LCD display provides clear information on the UPS's status and measurements on a single screen. Enhanced configuration capabilities are also available.
- 9PX offers Serial and 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.
- More runtime can be added with up to 4 external hot-swappable battery modules, able to run systems for hours if necessary.

#### Performance and efficiency

- 9PX Marine is the first UPS in its class to provide Unity power factor (VA=W). It delivers 11% more power than any other UPS as well as powering more servers with equivalent VA ratings and lower power factors.
- 9PX can meter energy consumption right down to the managed outlet groups. kWh values can be monitored using the LCD or Eaton's Intelligent Power™ Software.
- Energy Star qualified, the 9PX Marine provides the highest efficiency level to reduce energy and cooling costs.



#### Advanced protection for:

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



Powering Business Worldwide



**VA =  
Watt**

# Eaton 9PX UPS technical specifications

- 1 Graphical LCD display :
  - Clear information on UPS status and measurements
  - Enhanced configuration capabilities
- 2 Panel for batteries replacement (Hot swappable)
- 3 Slot for Management card (Network card delivered as standard on netpack version)



Eaton 9PX 3000 Marine

- 4 Outputs: 8 x IEC 10A + 2 x IEC 16A with energy metering (including 2 programmable groups)
- 5 USB port, 1 serial port, Remote ON/OFF, Remote power OFF and Relay output
- 6 External battery (EBM) connector

Technical specifications	1500	3000VA				
Rating (VA/W)	1500VA/1500W	3000VA/3000W				
Format	RT2U (tower/rack 2U)	RT3U (tower/rack 3U)				
<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	176-276V without derating (up to 100-276V with derating)					
Input frequency range	40-70Hz, 50/60Hz autoselection, frequency converter mode					
Efficiency	up to 92.5% in online mode (up to 97.5% in Hi-efficiency mode)			up to 94% in online mode (up to 98% in Hi-efficiency mode)		
<b>Connections</b>						
Input	1 IEC C14 (10A)		1 IEC C20 (16A)			
Outputs	8 IEC C13 (10A) sockets		8 IEC C13 (10A) sockets + 2 IEC C19 (16A) sockets			
<b>Batteries</b>						
Typical backup times*	300W	500W	800W	1200W	1800W	2500W
9PX 1500	38	23	13	7		
9PX 1500 + 1 EBM/+4 EBM	143/536	86/319	52/192	32/120		
9PX 3000	60	36	22	13	7	4
9PX 3000 + 1 EBM/+4 EBM	221/824	135/504	83/307	52/194	33/122	22/82
Battery management	ABM® & temperature compensated charging method (user selectable), automatic battery test, deep discharge protection, automatic recognition of external battery units					
<b>Communication</b>						
Communication ports	1 USB port + 1 serial RS232 port + 1 mini-terminal block for remote ON/OFF + 1 mini-terminal block for remote power off + 1 mini-terminal block for output relay					
Communication slot	1 slot for Network-MS card (included in netpack versions), ModBus-MS or Relay-MS cards					
<b>Operating conditions, standards and approvals</b>						
Operating temperature	0 to 40°C					
Typical noise level	35dB		40dB			
Safety	IEC/EN 62040-1, UL 1778, CSA 22.2					
EMC	IEC/EN 62040 -2, FCC Class B, CISPR22 Class B					
Approvals & markings	DNV-GL Type approved /CE /CB report (TUV) / cULus / EAC /RCM / KC / Energy Star					
<b>Dimensions H x W x D in mm/ Weight</b>						
UPS	86.5*440*450/18.9kg		130*440*485/27.4kg			
EBM	86.5*440*450/29.8kg		130*440*485/38.2kg			
<b>Customer service and support</b>						
Warranty	3 years on electronics, 2 years on batteries					

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

Parts numbers*	9PX 1.5kVA	9PX 3kVA
UPS	9PX1500ITM	9PX3000ITM
EBM	9PXEBM48RT2U	9PXEBM72RT3U
2m battery connection cable	EBMCBL48	EBMCBL72
Marine Filter**	9PXMFB3KI	

\*All 9PX UPS and EBM are delivered with rack kit

\*\*Marine UPS requires Marine filter (EMC) for IEC/EN 60945 compliance

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



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