

Eaton 9PX Marine UPS

1500–3000W



9PX Marine UPS

Advanced protection for:

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



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.

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.

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.



VA =
Watt

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Powering Business Worldwide

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



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) | | | | |
| Electrical characteristics | | | | | | |
| 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) | | |
| Connections | | | | | | |
| 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 | | |
| Batteries | | | | | | |
| 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 | | | | | |
| Communication | | | | | | |
| 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, ModBus-MS or Relay-MS cards | | | | | |
| Operating conditions, standards and approvals | | | | | | |
| 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 | | | | | |
| Dimensions H x W x D in mm/ Weight | | | | | | |
| UPS | 86.5*440*450/18.9kg | | | 130*440*485/27.4kg | | |
| EBM | 86.5*440*450/29.8kg | | | 130*440*485/38.2kg | | |
| Customer service and support | | | | | | |
| 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 | 9PX1500IRTM | 9PX3000IRTM |
| EBM | 9PXEBM48RT2U | 9PXEBM72RT3U |
| 2m battery connection cable | EBMCBL48 | EBMCBL72 |
| Marine Filter** | 9PXMf3KI | |

*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.