

# 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.



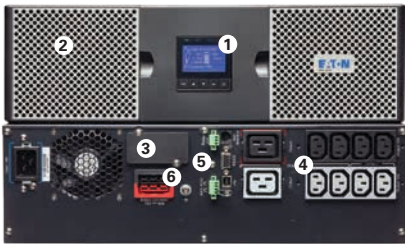
VA =  
Watt



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 temepature                          | 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.