



# Eaton 9PX UPS

1000–3000W



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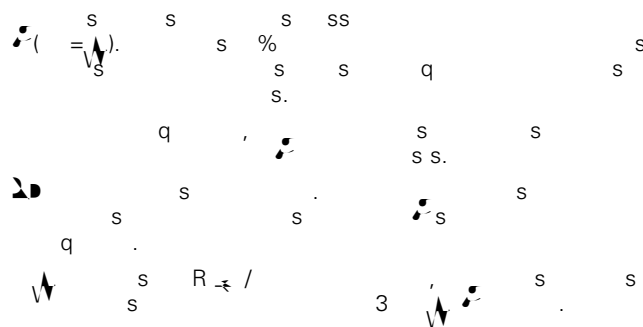
## Advanced protection for:

- Small and Medium Datacentre
- IT, Networking, Storage and Telecom
- Infrastructure, Industrial and Medical

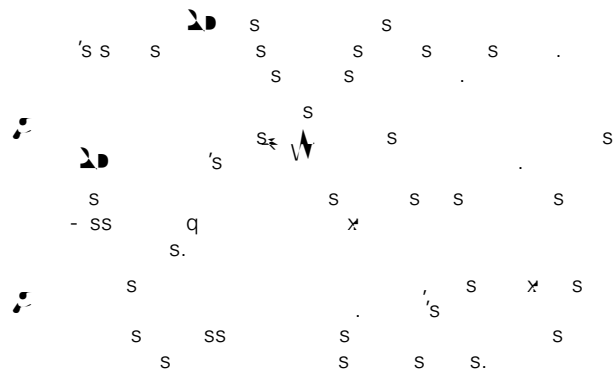


## Energy efficient power protection

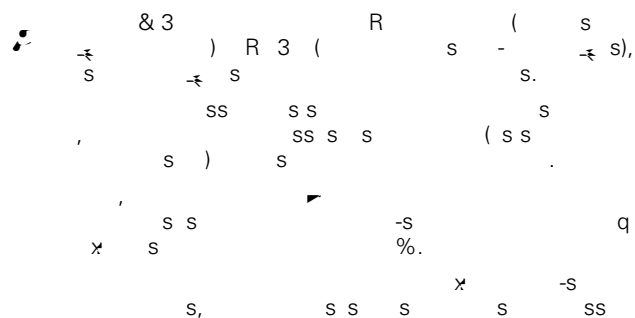
### Performance and efficiency



### Manageability



### Availability and flexibility



VA =  
Watt

# EAT•N

Powering Business Worldwide

Eaton 9PX UPS technical specifications



Eaton 9PX 3000VA

| Technical specifications                      | 1000                                                                                                                                                                 | 1500                                                              | 2200                                                              | 3000VA                                                            |        |       |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|--------|-------|
| Rating (VA/W)                                 | 1000VA/1000W                                                                                                                                                         | 1500VA/1500W                                                      | 2200VA/2200W                                                      | 3000VA/3000W                                                      |        |       |
| Format                                        | RT2U (tower/rack 2U)                                                                                                                                                 |                                                                   | RT2U (tower/rack 2U) and 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 91.5% in online mode<br>(up to 97.5% in Hi-efficiency mode)                                                                                                    | up to 92.5% in online mode<br>(up to 97.5% in Hi-efficiency mode) | up to 93.5% in online mode<br>(up to 98% in Hi-efficiency mode)   | up to 94% in online mode<br>(up to 98% in Hi-efficiency mode)     |        |       |
| Connections                                   |                                                                                                                                                                      |                                                                   |                                                                   |                                                                   |        |       |
| Input                                         | 1 IEC C14 (10A)                                                                                                                                                      |                                                                   | 1 IEC C20 (16A) or terminal block on HotSwap MBP HW (Hard-Wired)  |                                                                   |        |       |
| Outputs                                       | 8 IEC C13 (10A) sockets                                                                                                                                              |                                                                   | 8 IEC C13 (10A) sockets + 2 IEC C19 (16A) sockets                 |                                                                   |        |       |
| Outputs on HotSwap models                     | 4 FR/Schuko sockets or 3 BS sockets or 6 IEC 10A sockets or terminal blocks (HW version)                                                                             |                                                                   |                                                                   |                                                                   |        |       |
| Switched outlet group                         | 2 outlet groups                                                                                                                                                      |                                                                   |                                                                   |                                                                   |        |       |
| Batteries                                     |                                                                                                                                                                      |                                                                   |                                                                   |                                                                   |        |       |
| Typical backup times*                         | 300W                                                                                                                                                                 | 500W                                                              | 800W                                                              | 1200W                                                             | 1800W  | 2500W |
| 9PX 1000                                      | 28                                                                                                                                                                   | 16                                                                | 9                                                                 |                                                                   |        |       |
| 9PX 1000 + 1 EBM/+4 EBM                       | 134/530                                                                                                                                                              | 79/316                                                            | 47/188                                                            |                                                                   |        |       |
| 9PX 1500                                      | 38                                                                                                                                                                   | 23                                                                | 13                                                                | 7                                                                 |        |       |
| 9PX 1500 + 1 EBM/+4 EBM                       | 143/536                                                                                                                                                              | 86/319                                                            | 52/192                                                            | 32/120                                                            |        |       |
| 9PX 2200                                      | 43                                                                                                                                                                   | 25                                                                | 15                                                                | 9                                                                 | 5      |       |
| 9PX 2200 + 1 EBM/+4 EBM                       | 206/818                                                                                                                                                              | 123/491                                                           | 74/297                                                            | 47/189                                                            | 29/118 |       |
| 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 (included in netpack versions), 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                          | CE /CB report (TUV) / cULus / EAC /RCM / KC / Energy Star                                                                                                            |                                                                   |                                                                   |                                                                   |        |       |
| Dimensions H x W x D in mm/ Weight            |                                                                                                                                                                      |                                                                   |                                                                   |                                                                   |        |       |
| UPS                                           | 86.5*440*450/17.4kg                                                                                                                                                  | 86.5*440*450/18.9kg                                               | 2U version: 86.5*440*605/25kg<br>3U version: 130*440*485/24.5kg   | 2U version: 86.5*440*605/27.6kg<br>3U version: 130*440*485/27.4kg |        |       |
| EBM                                           | 86.5*440*450/29.8kg                                                                                                                                                  |                                                                   | 2U version: 86.5*440*605/39.2kg<br>3U version: 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 1kVA     | 9PX 1.5kVA   | 9PX 2.2kVA                                                                                       | 9PX 3kVA                                                                                         |
|-----------------------------|--------------|--------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| UPS RT3U                    |              |              | 9PX2200IRT3U                                                                                     | 9PX3000IRT3U                                                                                     |
| UPS RT2U                    | 9PX1000IRT2U | 9PX1500IRT2U | 9PX2200IRT2U                                                                                     | 9PX3000IRT2U                                                                                     |
| UPS RT3U with HotSwap MBP   |              |              | IEC: 9PX2200IRTBP HW: 9PX2200IRTBPH<br>FR: 9PX2200IRTBPF DIN: 9PX2200IRTBPD<br>BS: 9PX2200IRTBPB | IEC: 9PX3000IRTBP HW: 9PX3000IRTBPH<br>FR: 9PX3000IRTBPF DIN: 9PX3000IRTBPD<br>BS: 9PX3000IRTBPB |
| UPS RT2U with Network card  | 9PX1000IRTN  | 9PX1500IRTN  | 9PX2200IRTN                                                                                      | 9PX3000IRTN                                                                                      |
| EBM                         | 9PXEbm48RT2U |              | 2U: 9PXEbm72RT2U<br>3U: 9PXEbm72RT3U                                                             |                                                                                                  |
| 2m battery connection cable | EBMCBL48     |              | EBMCBL72                                                                                         |                                                                                                  |
| Battery integration system  | BINTSYS      |              |                                                                                                  |                                                                                                  |

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