Eaton 9SX UPS
5/6/8/11 kVA

High performance Online double-conversion UPS

Performance and Efficiency
- Double-conversion topology. The Eaton 9SX constantly monitors power conditions and regulates voltage and frequency.
- With up to 95% efficiency in online double-conversion mode the 9SX provides the highest efficiency level in its class to reduce energy & cooling costs.
- With a 0.9 power factor the 9SX delivers 28% more power than UPS in its class. It powers more servers than other UPSs with equivalent VA ratings and lower power factors.

Availability and Flexibility
- The internal bypass allows service continuity in case of internal fault. Batteries are hot-swappable from the front panel without powering down critical systems.
- With its tower or rack/tower versatile form factor the 9SX can be installed in any environment (rack kit provided as standard on RT versions).
- Stronger, longer battery life: Eaton ABM® battery management technology uses an innovative three-stage charging technique that extends battery life by up to 50%.
- More runtime can be added with external hot-swappable battery modules, able to run systems for hours if necessary. The additional battery modules are automatically recognized by the UPS.

Manageability
- The new graphical LCD provides clear information on the UPS's status and measurements on a single screen (in seven languages). LCD display position can be adjusted to offer the best viewable angle for tower and rack usage.
- The 9SX can meter energy consumption. kWh values can be monitored using the LCD or Eaton's Intelligent Power Software Suite.
- Load segment control enables prioritised shutdowns of nonessential equipment to maximise battery runtime for critical devices. It can also be used to remotely reboot locked-up equipment or to manage scheduled shutdowns and sequential start-ups.
- The 9SX offers Serial, USB and relay (dry contacts) connectivity, plus an extra slot for an optional card (Modbus, Network or Relay). 9SX also provides Remote Power off function. Eaton's Intelligent Power Software is included with each UPS.

Advanced protection for:
- Infrastructure, Industrial and Medical
- IT, Networking, Storage and Telecom
### Eaton 9SX UPS

#### Technical specifications

<table>
<thead>
<tr>
<th>Rating (kVA/kW)</th>
<th>5 kVA/4.5 kW</th>
<th>6 kVA/5.4 kW</th>
<th>8 kVA/7.2 kW</th>
<th>11 kVA/10 kW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Tower or RT (Rack/Tower)</td>
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</table>

#### Electrical characteristics

- **Technology**: On-line double-conversion with Power Factor Correction (PFC) system
- **Nominal voltage**: 200/208/220/230/240 V
- **Input voltage range**: 176-276V without derating (RT models: 100-276V with derating, Tower models: 120-276V with derating)
- **Input frequency range**: 40-70 Hz, 50/60Hz autoselection, frequency converter as standard
- **Efficiency**: Up to 94% in Online mode, 98% in Hi-Efficiency mode
- **Crest factor/short circuit current**: 3:1/90 A
- **Overload capacity**: Tower models: 102-110% : 120s, 110-125%: 60s, 125-150%: 10s, >150%: 500ms
  - RT models: 102-130% : 120s, 130-150%: 30s, 125-150%: 10s, >150%: 100ms
- **Connections**:
  - **Input**: Terminal block (up to 10 mm²) or Terminal block (up to 16 mm²)
  - **Output**: Tower models: Terminal block, RT models: Terminal block + 2 controlled groups of 4 IEC C13 (10A) + 2 IEC C19 (16A)

#### Batteries

- **Typical backup times at 50 and 70% load** (*Runtimes are shown at 0.7 power factor. Backup times are approximate and may vary with equipment, configuration, battery age, temperature, etc.***
  - **9SX**
    - Tower: 30/19 min
    - RT: 13/10 min
  - **9SX + 1 EBM**
    - Tower: 120/70 min
    - RT: 48/34 min
  - **9SX + 4 EBM**
    - Tower: 485/275 min
    - RT: 220/150 min

#### Communication

- **Communication ports**: USB and Serial ports (cannot be used simultaneously), Dry contact, 1 Remote Power Off (all models), 1 Remote On/Off (RT format models)
- **Communication slot**: 1 slot for Network-M2, Network-MS, ModBus-MS or Relay-MS cards.

#### Dimensions H x W x D/Weight

<table>
<thead>
<tr>
<th>UPS (Tower)</th>
<th>9SX5KI</th>
<th>9SX6KI</th>
<th>9SX8KI</th>
<th>9SX11KI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions H x W x D</td>
<td>575x244x542mm/54.3kg</td>
<td>575x244x542mm/65.9kg</td>
<td>575x244x542mm/86kg</td>
<td>575x244x542mm/86kg</td>
</tr>
<tr>
<td>Weight</td>
<td>54.3kg</td>
<td>65.9kg</td>
<td>86kg</td>
<td>86kg</td>
</tr>
</tbody>
</table>

#### Customer service and support

- **Warranty**: 2 years warranty

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