# Eaton 9PX Lithium-ion UPS



9PX Lithium-ion UPS

#### Advanced protection for:

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



### Lithium-ion Online Double conversion UPS

#### Longer life

- 9PX lithium-ion UPSs features an expanded battery life of 8–10 years compared to the usual 3-5 years with VRLA batteries.
- Lithium-ion batteries eliminates the needs for battery replacement and attached costs (planning, labor, shipping).
- This longer life is backed by a five-year factory warranty including UPS electronics, internal batteries and EBMs.

#### **Management and Cybersecurity**

- Eaton Gigabit network management card provide Dual cyber security certifications (UL 2900-1 & IEC 62443-4-2), it's delivered as standard with Netpack UPS.
- Eaton's Intelligent Power Software seamlessly integrates with leading virtualisation environments and cloud orchestrations tools.
- 9PX Lithium-ion 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.
- Load segment control enables prioritised shutdowns of non-essential equipment to maximize battery runtime for critical devices.

#### **High Performance**

- Double conversion topology. The Eaton 9PX Lithium-ion constantly monitors power conditions and regulates voltage and frequency.
- Energy Star qualified, the 9PX Lithium-ion provides the highest efficiency level to reduce energy and cooling costs.
- Internal bypass allows service continuity in case of internal fault, a maintenance bypass is also available for easy replacement of the UPS.
- More runtime can be added with up to 4 external hot-swappable battery modules, able to run systems for hours if necessary.

#### Easy installation and upgrade

- Lighter weight: UPS weight reduced up to 20% and EBM weight reduced more than 40%.
- Smaller size: Battery extension size reduced to 1U saving space for IT equipment.
- Firmware upgrade can be done locally or remotely through the Gigabit Network management card.
- All models delivered with all necessary hardware for tower or rack-mounting.





## Eaton 9PX Lithium-ion UPS technical specifications

- Graphical LCD display :
   Clear information on UPS status and measurements
- Enhanced configuration capabilities
   Slot for Management card (Network card delivered as standard on netpack version)



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

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Operating conditions, standards and approvals       0 to 40°C         Operating temeprature       0 to 40°C         Safety       IEC/EN 62040-1, UL 1778, CSA 22.2         EMC       IEC/EN 62040-2, FCC Class B, CISPR22 Class B         Approvals &amp; markings       CE /CB report (TUV) / EAC/ Energy Star         Dimensions H x W x D in mm/weight       1.5kVA       2.2kVA       3kVA         JPS       86 5x440x450/15.8Kg       86.5x440x605/22.1Kg       86.5x440x605/22.8Kg         EBM       42.9x438x48/12Kg       42.9x438x603/17.4Kg       42.9x438x603/17.4Kg</td><td>9PX 3000</td><td>68</td><td>46</td><td>30</td><td>21</td><td>14</td><td>10.5</td></tr> <tr><td>Communication       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 ports       1 slot for Gigabit Network management card (included in netpack versions), Industrial Gateway Card (Modbus TCP/RTU), or Relay card.         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Operating conditions, standards and aprovals        <ul> <li>Deperating temeprature</li> <li>0 to 40°C</li> <li>Safety</li> <li>IEC/EN 62040-1, UL 1778, CSA 22.2</li> <li>EMC</li> <li>IEC/EN 62040 - 2, FCC Class B, CISPR22 Class B</li> <li>CE /CB report (TUV) / EAC/ Energy Star</li> <li>Dimensions H x W x D in mm/ weight</li> <li>JSkVA</li> <li>SAfety</li> <li>Safety</li> <li>SkVA</li> <li>Sk40x405/15.8Kg</li> <li>Se5x440x605/22.1Kg</li> <li>Sk40x605/22.8Kg</li> <li>EBM</li> <li>42.9x438x408/12Kg</li> <li>42.9x438x603/17.4Kg</li> <li>42.9x438x603/17.4Kg</li> <li>42.9x438x603/17.4Kg</li> <li>Sk603/17.4Kg</li> <li>Sk603/17.4Kg<!--</td--><td>Communication</td><td></td><td></td><td></td><td></td><td></td><td></td></li></ul></td></tr> <tr><td>Operating conditions, standards and approvals         Image: Standards and approvals           Deperating temeprature         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 &amp; markings         CE /CB report (TUV) / EAC/ Energy Star           Dimensions H x W x D in mm/ weight         2.2kVA         3kVA           1.5kVA         2.2kVA         3kVA           PS         86.5x440x450/15.8Kg         86.5x440x605/22.1Kg         86.5x440x605/22.8Kg           EBM         42.9x438x448/12Kg         42.9x438x603/17.4Kg         42.9x438x603/17.4Kg</td><td>Communication ports</td><td></td><td colspan="7"></td></tr> <tr><td>Operating temeprature         O 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 &amp; markings         CE /CB report (TUV) / EAC/ Energy Star            Dimensions H x W x D in mm/ weight             1.5kVA         2.2kVA         3kVA           JPS         86.5x440x450/15.8Kg         86.5x440x605/22.1Kg         86.5x440x605/22.8Kg           EBM         42.9x438x448/12Kg         42.9x438x603/17.4Kg         42.9x438x603/17.4Kg</td><td>Communication slot</td><td>1 slot for Gigabit</td><td colspan="7">1 slot for Gigabit Network management card (included in netpack versions). Industrial Gateway Card (Modbus TCP/RTU), or Relay card</td></tr> <tr><td>Typical noise level         35dB         40dB           Safety         IEC/EN 62040-1, UL 1778, CSA 22.2         IEC/EN 62040-2, FCC Class B, CISPR22 Class B           EMC         IEC/EN 62040-2, FCC Class B, CISPR22 Class B         IEC/EN 62040-2, FCC Class B, CISPR22 Class B           Approvals &amp; markings         CE /CB report (TUV) / EAC/ Energy Star         IEC/EN 62040-2, FCC Class B, CISPR22 Class B           Dimensions H x W x D in mm/ weight         I.5kVA         2.2kVA         3kVA           JPS         86.5x440x450/15.8Kg         86.5x440x605/22.1Kg         86.5x440x605/22.8Kg           EBM         42.9x438x448/12Kg         42.9x438x603/17.4Kg         42.9x438x603/17.4Kg</td><td>Operating conditions, standards and</td><td>°</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Name         IEC/EN 62040-1, UL 1778, CSA 22.2           EMC         IEC/EN 62040 -2, FCC Class B, CISPR22 Class B           Approvals &amp; markings         CE /CB report (TUV) / EAC/ Energy Star           Dimensions H x W x D in mm/ weight         2.2kVA         3kVA           JPS         86.5x440x450/15.8Kg         86.5x440x605/22.1Kg         86.5x440x605/22.8Kg           EBM         42.9x438x448/12Kg         42.9x438x603/17.4Kg         42.9x438x603/17.4Kg</td><td>Operating temeprature</td><td>0 to 40°C</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>EMC         IEC/EN 62040 - 2, FCC Class B, CISPR22 Class B           Approvals &amp; markings         CE / CB report (TUV) / EAC/ Energy Star           Dimensions H x W x D in mm/ weight         2.2kVA         3kVA           1.5kVA         2.2kVA         3kVA           JPS         86.5x440x450/15.8Kg         86.5x440x605/22.1Kg         86.5x440x605/22.8Kg           EBM         42.9x438x448/12Kg         42.9x438x603/17.4Kg         42.9x438x603/17.4Kg</td><td>Typical noise level</td><td>35dB</td><td></td><td>40dB</td><td></td><td></td><td></td></tr> <tr><td>Approvals &amp; markings         CE /CB report (TUV) / EAC/ Energy Star           Dimensions H x W x D in mm/ weight         2.2kVA         3kVA           1.5kVA         2.2kVA         3kVA           JPS         86.5x440x450/15.8Kg         86.5x440x605/22.1Kg         86.5x440x605/22.8Kg           EBM         42.9x438x448/12Kg         42.9x438x603/17.4Kg         42.9x438x603/17.4Kg</td><td>Safety</td><td>IEC/EN 62040-1,</td><td>UL 1778, CSA 22.2</td><td></td><td></td><td></td><td></td></tr> <tr><td>Dimensions H x W x D in mm/ weight         2.2kVA         3kVA           1.5kVA         2.2kVA         3kVA           JPS         86.5x440x450/15.8Kg         86.5x440x605/22.1Kg         86.5x440x605/22.8Kg           EBM         42.9x438x448/12Kg         42.9x438x603/17.4Kg         42.9x438x603/17.4Kg           Customer service and support         56.5x440x605/22.1Kg         56.5x440x605/22.8Kg</td><td>EMC</td><td>IEC/EN 62040 -2,</td><td>FCC Class B, CISPR22 Cla</td><td></td><td></td></tr> <tr><td>1.5kVA         2.2kVA         3kVA           JPS         86.5x440x450/15.8Kg         86.5x440x605/22.1Kg         86.5x440x605/22.8Kg           EBM         42.9x438x448/12Kg         42.9x438x603/17.4Kg         42.9x438x603/17.4Kg           Customer service and support         5.5x440x605/22.1Kg         5.5x440x605/22.8Kg</td><td>Approvals &amp; markings</td><td>CE /CB report (TL</td><td colspan="6">CE /CB report (TUV) / EAC/ Energy Star</td></tr> <tr><td>JPS         86.5x440x450/15.8Kg         86.5x440x605/22.1Kg         86.5x440x605/22.8Kg           EBM         42.9x438x448/12Kg         42.9x438x603/17.4Kg         42.9x438x603/17.4Kg           Customer service and support        </td><td>Dimensions H x W x D in mm/ weigh</td><td>nt</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>EBM 42.9x438x448/12Kg 42.9x438x603/17.4Kg 42.9x438x603/17.4Kg Customer service and support</td><td></td><td>1.5kVA</td><td colspan="2">1.5kVA</td><td colspan="2">2.2kVA</td><td colspan="2">3kVA</td></tr> <tr><td>Customer service and support</td><td>UPS</td><td>86.5x440x450/15.</td><td colspan="2">86.5x440x450/15.8Kg</td><td colspan="2">86.5x440x605/22.1Kg</td><td colspan="2">86.5x440x605/22.8Kg</td></tr> <tr><td>11</td><td>EBM</td><td>42.9x438x448/12</td><td>ζg</td><td>42.9x438x603/17.</td><td>4Kg</td><td>42.9x438x603/17</td><td>'.4Kg</td></tr> <tr><td>Narranty 5 years full warranty (eletronics, internal batteries and EBM)</td><td>Customer service and support</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td>Warranty</td><td>5 years full warra</td><td>anty (eletronics, internal b</td><td>atteries and EBM)</td><td></td><td></td><td></td></tr>	9PX 1500 + 1 EBM/4EBM	114/321	76/210	52/145	33/92			BPX 3000684630211410.53PX 3000 + 1 EBM/4EBM184/516120/32080/21554/15337/10428/783BatteryLithium-ion battery (LFP) with 8 to 10 years service life, automatic recognition of external battery modules (EBM)CommunicationCommunication ports1 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 relayCommunication slot1 slot for Gigabit Network management card (included in netpack versions), Industrial Gateway Card (Modbus TCP/RTU), or Relay card.Operating conditions, standards and approvalsOperating conditions, standards and approvalsOperating temeprature0 to 40°CTypical noise level35dB40dBSafetyIEC/EN 62040-1, UL 1778, CSA 22.2EMCIEC/EN 62040-1, UL 1778, CSA 22.2EMCLEC/EN 62040-2, FCC Class B, CISPR22 Class BApprovals & markingsCE / CB report (TUV) / EAC/ Energy StarDimensions H x W x D in mm/ weight1.5kVA2.2kVA386.5x440x605/22.1Kg86.5x440x605/22.1Kg2BM42.9x438x448/12Kg42.9x438x603/17.4Kg42.9x438x603/17.4KgCause merice and support	9PX 2200	66	45	30	21	14		approval       184/516       120/320       80/215       54/153       37/104       28/78         Battery       Lithium-ion battery (LFP) with 8 to 10 years service life, automatic recognition of external battery modules (EBM)         Communication       1       USB port + 1 serial RS232 port + 1 mini-terminal block for remote 0N/OFF + 1 mini-terminal block for remote power off + 1 mini-terminal block for output relay       1       USB port + 1 serial RS232 port + 1 mini-terminal block for remote 0N/OFF + 1 mini-terminal block for remote power off + 1 mini-terminal block for output relay         Communication ports       1       slot for Gigabit Network management card (included in netpack versions), Industrial Gateway Card (Modbus TCP/RTU), or Relay card. <b>Deperating conditions, standards and approvals</b> 9       40dB       1       1         Safety       1       LC/EN 62040-1, UL 1778, CSA 22.2       40dB       1       1         EMC       1       LC/EN 62040-2, FCC Class B, CISPR22 Class B       1       1       1       1         Safety       1       LEC/EN 62040-2, FCC Class B, CISPR22 Class B       1	9PX 2200 + 1 EBM/4EBM	170/475	112/305	78/205	52/148	35/98		Battery       Lithium-ion battery (LFP) with 8 to 10 years service life, automatic recognition of external battery modules (EBM)         Communication       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 ports       1 slot for Gigabit Network management card (included in netpack versions), Industrial Gateway Card (Modbus TCP/RTU), or Relay card.         Operating conditions, standards and approvals       0 to 40°C         Operating temeprature       0 to 40°C         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) / EAC/ Energy Star         Dimensions H x W x D in mm/weight       1.5kVA       2.2kVA       3kVA         JPS       86 5x440x450/15.8Kg       86.5x440x605/22.1Kg       86.5x440x605/22.8Kg         EBM       42.9x438x48/12Kg       42.9x438x603/17.4Kg       42.9x438x603/17.4Kg	9PX 3000	68	46	30	21	14	10.5	Communication       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 ports       1 slot for Gigabit Network management card (included in netpack versions), Industrial Gateway Card (Modbus TCP/RTU), or Relay card.         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Operating conditions, standards and aprovals <ul> <li>Deperating temeprature</li> <li>0 to 40°C</li> <li>Safety</li> <li>IEC/EN 62040-1, UL 1778, CSA 22.2</li> <li>EMC</li> <li>IEC/EN 62040 - 2, FCC Class B, CISPR22 Class B</li> <li>CE /CB report (TUV) / EAC/ Energy Star</li> <li>Dimensions H x W x D in mm/ weight</li> <li>JSkVA</li> <li>SAfety</li> <li>Safety</li> <li>SkVA</li> <li>Sk40x405/15.8Kg</li> <li>Se5x440x605/22.1Kg</li> <li>Sk40x605/22.8Kg</li> <li>EBM</li> <li>42.9x438x408/12Kg</li> <li>42.9x438x603/17.4Kg</li> <li>42.9x438x603/17.4Kg</li> <li>42.9x438x603/17.4Kg</li> <li>Sk603/17.4Kg</li> <li>Sk603/17.4Kg<!--</td--><td>Communication</td><td></td><td></td><td></td><td></td><td></td><td></td></li></ul>	Communication							Operating conditions, standards and approvals         Image: Standards and approvals           Deperating temeprature         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) / EAC/ Energy Star           Dimensions H x W x D in mm/ weight         2.2kVA         3kVA           1.5kVA         2.2kVA         3kVA           PS         86.5x440x450/15.8Kg         86.5x440x605/22.1Kg         86.5x440x605/22.8Kg           EBM         42.9x438x448/12Kg         42.9x438x603/17.4Kg         42.9x438x603/17.4Kg	Communication ports									Operating temeprature         O 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) / EAC/ Energy Star            Dimensions H x W x D in mm/ weight             1.5kVA         2.2kVA         3kVA           JPS         86.5x440x450/15.8Kg         86.5x440x605/22.1Kg         86.5x440x605/22.8Kg           EBM         42.9x438x448/12Kg         42.9x438x603/17.4Kg         42.9x438x603/17.4Kg	Communication slot	1 slot for Gigabit	1 slot for Gigabit Network management card (included in netpack versions). Industrial Gateway Card (Modbus TCP/RTU), or Relay card							Typical noise level         35dB         40dB           Safety         IEC/EN 62040-1, UL 1778, CSA 22.2         IEC/EN 62040-2, FCC Class B, CISPR22 Class B           EMC         IEC/EN 62040-2, FCC Class B, CISPR22 Class B         IEC/EN 62040-2, FCC Class B, CISPR22 Class B           Approvals & markings         CE /CB report (TUV) / EAC/ Energy Star         IEC/EN 62040-2, FCC Class B, CISPR22 Class B           Dimensions H x W x D in mm/ weight         I.5kVA         2.2kVA         3kVA           JPS         86.5x440x450/15.8Kg         86.5x440x605/22.1Kg         86.5x440x605/22.8Kg           EBM         42.9x438x448/12Kg         42.9x438x603/17.4Kg         42.9x438x603/17.4Kg	Operating conditions, standards and	°						Name         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) / EAC/ Energy Star           Dimensions H x W x D in mm/ weight         2.2kVA         3kVA           JPS         86.5x440x450/15.8Kg         86.5x440x605/22.1Kg         86.5x440x605/22.8Kg           EBM         42.9x438x448/12Kg         42.9x438x603/17.4Kg         42.9x438x603/17.4Kg	Operating temeprature	0 to 40°C						EMC         IEC/EN 62040 - 2, FCC Class B, CISPR22 Class B           Approvals & markings         CE / CB report (TUV) / EAC/ Energy Star           Dimensions H x W x D in mm/ weight         2.2kVA         3kVA           1.5kVA         2.2kVA         3kVA           JPS         86.5x440x450/15.8Kg         86.5x440x605/22.1Kg         86.5x440x605/22.8Kg           EBM         42.9x438x448/12Kg         42.9x438x603/17.4Kg         42.9x438x603/17.4Kg	Typical noise level	35dB		40dB				Approvals & markings         CE /CB report (TUV) / EAC/ Energy Star           Dimensions H x W x D in mm/ weight         2.2kVA         3kVA           1.5kVA         2.2kVA         3kVA           JPS         86.5x440x450/15.8Kg         86.5x440x605/22.1Kg         86.5x440x605/22.8Kg           EBM         42.9x438x448/12Kg         42.9x438x603/17.4Kg         42.9x438x603/17.4Kg	Safety	IEC/EN 62040-1,	UL 1778, CSA 22.2					Dimensions H x W x D in mm/ weight         2.2kVA         3kVA           1.5kVA         2.2kVA         3kVA           JPS         86.5x440x450/15.8Kg         86.5x440x605/22.1Kg         86.5x440x605/22.8Kg           EBM         42.9x438x448/12Kg         42.9x438x603/17.4Kg         42.9x438x603/17.4Kg           Customer service and support         56.5x440x605/22.1Kg         56.5x440x605/22.8Kg	EMC	IEC/EN 62040 -2,	FCC Class B, CISPR22 Cla			1.5kVA         2.2kVA         3kVA           JPS         86.5x440x450/15.8Kg         86.5x440x605/22.1Kg         86.5x440x605/22.8Kg           EBM         42.9x438x448/12Kg         42.9x438x603/17.4Kg         42.9x438x603/17.4Kg           Customer service and support         5.5x440x605/22.1Kg         5.5x440x605/22.8Kg	Approvals & markings	CE /CB report (TL	CE /CB report (TUV) / EAC/ Energy Star						JPS         86.5x440x450/15.8Kg         86.5x440x605/22.1Kg         86.5x440x605/22.8Kg           EBM         42.9x438x448/12Kg         42.9x438x603/17.4Kg         42.9x438x603/17.4Kg           Customer service and support	Dimensions H x W x D in mm/ weigh	nt						EBM 42.9x438x448/12Kg 42.9x438x603/17.4Kg 42.9x438x603/17.4Kg Customer service and support		1.5kVA	1.5kVA		2.2kVA		3kVA		Customer service and support	UPS	86.5x440x450/15.	86.5x440x450/15.8Kg		86.5x440x605/22.1Kg		86.5x440x605/22.8Kg		11	EBM	42.9x438x448/12	ζg	42.9x438x603/17.	4Kg	42.9x438x603/17	'.4Kg	Narranty 5 years full warranty (eletronics, internal batteries and EBM)	Customer service and support								Warranty	5 years full warra	anty (eletronics, internal b	atteries and EBM)			
9PX 1500 + 1 EBM/4EBM	114/321	76/210	52/145	33/92																																																																																																																																																																								
BPX 3000684630211410.53PX 3000 + 1 EBM/4EBM184/516120/32080/21554/15337/10428/783BatteryLithium-ion battery (LFP) with 8 to 10 years service life, automatic recognition of external battery modules (EBM)CommunicationCommunication ports1 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 relayCommunication slot1 slot for Gigabit Network management card (included in netpack versions), Industrial Gateway Card (Modbus TCP/RTU), or Relay card.Operating conditions, standards and approvalsOperating conditions, standards and approvalsOperating temeprature0 to 40°CTypical noise level35dB40dBSafetyIEC/EN 62040-1, UL 1778, CSA 22.2EMCIEC/EN 62040-1, UL 1778, CSA 22.2EMCLEC/EN 62040-2, FCC Class B, CISPR22 Class BApprovals & markingsCE / CB report (TUV) / EAC/ Energy StarDimensions H x W x D in mm/ weight1.5kVA2.2kVA386.5x440x605/22.1Kg86.5x440x605/22.1Kg2BM42.9x438x448/12Kg42.9x438x603/17.4Kg42.9x438x603/17.4KgCause merice and support	9PX 2200	66	45	30	21	14																																																																																																																																																																						
approval       184/516       120/320       80/215       54/153       37/104       28/78         Battery       Lithium-ion battery (LFP) with 8 to 10 years service life, automatic recognition of external battery modules (EBM)         Communication       1       USB port + 1 serial RS232 port + 1 mini-terminal block for remote 0N/OFF + 1 mini-terminal block for remote power off + 1 mini-terminal block for output relay       1       USB port + 1 serial RS232 port + 1 mini-terminal block for remote 0N/OFF + 1 mini-terminal block for remote power off + 1 mini-terminal block for output relay         Communication ports       1       slot for Gigabit Network management card (included in netpack versions), Industrial Gateway Card (Modbus TCP/RTU), or Relay card. <b>Deperating conditions, standards and approvals</b> 9       40dB       1       1         Safety       1       LC/EN 62040-1, UL 1778, CSA 22.2       40dB       1       1         EMC       1       LC/EN 62040-2, FCC Class B, CISPR22 Class B       1       1       1       1         Safety       1       LEC/EN 62040-2, FCC Class B, CISPR22 Class B       1	9PX 2200 + 1 EBM/4EBM	170/475	112/305	78/205	52/148	35/98																																																																																																																																																																						
Battery       Lithium-ion battery (LFP) with 8 to 10 years service life, automatic recognition of external battery modules (EBM)         Communication       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 ports       1 slot for Gigabit Network management card (included in netpack versions), Industrial Gateway Card (Modbus TCP/RTU), or Relay card.         Operating conditions, standards and approvals       0 to 40°C         Operating temeprature       0 to 40°C         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) / EAC/ Energy Star         Dimensions H x W x D in mm/weight       1.5kVA       2.2kVA       3kVA         JPS       86 5x440x450/15.8Kg       86.5x440x605/22.1Kg       86.5x440x605/22.8Kg         EBM       42.9x438x48/12Kg       42.9x438x603/17.4Kg       42.9x438x603/17.4Kg	9PX 3000	68	46	30	21	14	10.5																																																																																																																																																																					
Communication       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 ports       1 slot for Gigabit Network management card (included in netpack versions), Industrial Gateway Card (Modbus TCP/RTU), or Relay card.         Operating conditions, standards and approvals       0 to 40°C         Operating temeprature       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) / EAC/ Energy Star         Dimensions H x W x D in mm/ weight       1.5kVA       2.2kVA       3kVA         JPS       86.5x440x450/15.8Kg       86.5x440x605/22.1Kg       86.5x440x605/22.8Kg         EBM       42.9x438x448/12Kg       42.9x438x603/17.4Kg       42.9x438x603/17.4Kg	9PX 3000 + 1 EBM/4EBM	184/516	120/320	80/215	54/153	37/104	28/78																																																																																																																																																																					
Communication ports1 USB port + 1 serial RS232 port + 1 mini-terminal block for remote ON/OFF + 1 mini-terminal block for output relayCommunication slot1 slot for Gigabit Network management card (included in netpack versions), Industrial Gateway Card (Modbus TCP/RTU), or Relay card.Operating conditions, standards and approvalsDeperating conditions, standards and approvals40dBSafety0 to 40°CSafetyIEC/EN 62040-1, UL 1778, CSA 22.2EMCIEC/EN 62040-2, FCC Class B, CISPR22 Class BApprovals & markingsCE /CB report (TUV) / EAC/ Energy StarDimensions H x W x D in mm/ weight1.5kVAJPS86.5x440x450/15.8Kg86.5x440x450/15.8Kg65.5x440x605/22.1Kg86.5x440x450/15.8Kg42.9x438x448/12Kg42.9x438x603/17.4Kg42.9x438x603/17.4Kg	Battery	Lithium-ion batte	ery (LFP) with 8 to 10 year	s service life, automatic r	ecognition of external ba	attery modules (EBM)																																																																																																																																																																						
communication ports       + 1 mini-terminal block for output relay         Communication slot       1 slot for Gigabit Network management card (included in netpack versions), Industrial Gateway Card (Modbus TCP/RTU), or Relay card.         Operating conditions, standards and aprovals <ul> <li>Deperating temeprature</li> <li>0 to 40°C</li> <li>Safety</li> <li>IEC/EN 62040-1, UL 1778, CSA 22.2</li> <li>EMC</li> <li>IEC/EN 62040 - 2, FCC Class B, CISPR22 Class B</li> <li>CE /CB report (TUV) / EAC/ Energy Star</li> <li>Dimensions H x W x D in mm/ weight</li> <li>JSkVA</li> <li>SAfety</li> <li>Safety</li> <li>SkVA</li> <li>Sk40x405/15.8Kg</li> <li>Se5x440x605/22.1Kg</li> <li>Sk40x605/22.8Kg</li> <li>EBM</li> <li>42.9x438x408/12Kg</li> <li>42.9x438x603/17.4Kg</li> <li>42.9x438x603/17.4Kg</li> <li>42.9x438x603/17.4Kg</li> <li>Sk603/17.4Kg</li> <li>Sk603/17.4Kg<!--</td--><td>Communication</td><td></td><td></td><td></td><td></td><td></td><td></td></li></ul>	Communication																																																																																																																																																																											
Operating conditions, standards and approvals         Image: Standards and approvals           Deperating temeprature         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) / EAC/ Energy Star           Dimensions H x W x D in mm/ weight         2.2kVA         3kVA           1.5kVA         2.2kVA         3kVA           PS         86.5x440x450/15.8Kg         86.5x440x605/22.1Kg         86.5x440x605/22.8Kg           EBM         42.9x438x448/12Kg         42.9x438x603/17.4Kg         42.9x438x603/17.4Kg	Communication ports																																																																																																																																																																											
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Approvals & markings         CE /CB report (TUV) / EAC/ Energy Star           Dimensions H x W x D in mm/ weight         2.2kVA         3kVA           1.5kVA         2.2kVA         3kVA           JPS         86.5x440x450/15.8Kg         86.5x440x605/22.1Kg         86.5x440x605/22.8Kg           EBM         42.9x438x448/12Kg         42.9x438x603/17.4Kg         42.9x438x603/17.4Kg	Safety	IEC/EN 62040-1,	UL 1778, CSA 22.2																																																																																																																																																																									
Dimensions H x W x D in mm/ weight         2.2kVA         3kVA           1.5kVA         2.2kVA         3kVA           JPS         86.5x440x450/15.8Kg         86.5x440x605/22.1Kg         86.5x440x605/22.8Kg           EBM         42.9x438x448/12Kg         42.9x438x603/17.4Kg         42.9x438x603/17.4Kg           Customer service and support         56.5x440x605/22.1Kg         56.5x440x605/22.8Kg	EMC	IEC/EN 62040 -2,	FCC Class B, CISPR22 Cla																																																																																																																																																																									
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Customer service and support	UPS	86.5x440x450/15.	86.5x440x450/15.8Kg		86.5x440x605/22.1Kg		86.5x440x605/22.8Kg																																																																																																																																																																					
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\* Backup times are approximate and may vary with equipment, configuration, battery age, temperature, etc.

Parts numbers*	1.5kVA	2.2kVA	3kVA	
UPS RT2U	9PX1500IRT2U-L	9PX2200IRT2U-L	9PX3000IRT2U-L	
UPS RT2U with Gigabit Network card	9PX1500IRTN-L	9PX2200IRTN-L	9PX3000IRTN-L	
EBM RT1U	9PXEBM48RT1U-L	9PXEBM72RT1U-L	9PXEBM72RT1U-L	

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



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