Eaton 9PX Lithium-ion UPS

1500VA-3000VA

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, labour, 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).
- 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.

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Eaton 9PX Lithium-ion UPS technical specifications

1 Graphical LCD display :
- Clear information on UPS status and measurements
- Enhanced configuration capabilities

2 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

Eaton 9PX 3000VA

Technical specifications

	1500		2000		3000	
Rating (VA/W)	1500VA/1500W		2000VA/1800W		3000VA/2400W (3000VA/3000W with EBM)	
Format	RT2U (tower/rack 2U					
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 93.5% in online mode (up to 98% 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 C14 (10A)			
Outputs	8 IEC C13 (10A) sockets		6 IEC C13 (10A) + 2 AU GPO (10A) sockets		8 IEC C13 (10A) + 2 IEC C19 (16A) sockets	
Switched outlet group	2 outlet groups					
Batteries						
Typical backup times*	300W	500W	800W	1200W	1800W	2400W
9PX 1500	45	30	20	13		
9PX 1500 + 1 EBM/4EBM	114/321	76/210	52/145	33/92		
9PX 2000	66	45	30	21	14	
9PX 2000 + 1 EBM/4EBM	170/475	112/305	78/205	52/148	35/98	
9PX 3000	68	46	30	21	14	10.5
9PX 3000 + 1 EBM/4EBM	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						
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 Gigabit Network management card (included in netpack versions), Industrial Gateway Card (Modbus TCP/RTU), or Relay card.					
Operating conditions, standards and approvals						
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 / RCM					
Dimensions H x W x D in mm/ weight						
	1.5kVA		2.0kVA		3kVA	
UPS	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						
Warranty	5 years full warranty (eletronics, internal batteries and EBM)					

* Backup times are approximate and may vary with equipment, configuration, battery age, temperature, etc.

Parts numbers*	1.5kVA	2.0kVA	3kVA
UPS RT2U	9PX1500IRTANZ-L	9PX2000IRTAU-L	9PX3000IRTANZ-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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