Small and Medium Datacenter



Eaton 9PX Gen2 Lithium-ion UPS

Next-generation efficiency, reliability and lifetime powered by Lithium-ion



Eaton's 9PX Gen2 Lithium-ion UPS extends 9PX Gen2 platform with next-generation battery technology. Designed for distributed IT, edge computing, healthcare, industrial and data centre environments, the 9PX Gen2 Lithium-ion delivers best-in-class power protection with improved battery lifespan.

Shift to next-level efficiency, now with long-life Lithium-ion

Experience a new era of efficiency thanks to the latest generation of silicon carbide (SiC) components, enabling up to **97.2% efficiency** on the 11 kW model. Reduce your footprint with **unmatched power density:** up to **11 kW** in **only 4U**, and high efficiency performance that meets **ENERGY STAR® requirements.**

With Lithium-ion batteries, enjoy a **battery life of up to 10 years,** more than double traditional VRLA systems. This extended lifespan significantly reduces battery replacements, service interventions and associated downtime.

Experience the flexibility of new combo C39 outlets

Data centre and IT designers no longer need to predict the perfect mix of C13 and C19 outlets.

The 9PX Gen2 features **flexible combo C39 outlets,** securely supporting both **C14 (10 A)** and **C20 (16 A)** power cords, simplifying deployment and avoiding compatibility issues.

Next generation battery management

The 9PX Gen2 Lithium-ion features an **advanced Battery Management System** that **continuously monitors every critical parameter** down to the individual cell. It delivers clear insight into the battery's health ensuring, predictable behavior throughout its lifetime. The UPS supports up to **10 external battery modules,** capable to maintain critical system running for hours.

Make remote your new normal

Manage your install base remotely including UPS settings and firmware upgrades. **Connect to Eaton monitoring solutions** via the industry-leading cybersecure Gigabit Network Card that comes as standard.

Integrate 9PX Gen2 UPS systems smoothly with digital solutions from our Brightlayer **Data Centers suite.** Set up **sequential start-ups, prioritise shutdown** of nonessential equipment to maximise runtime, **remotely reboot** locked-up equipment.

Peace of mind. Guaranteed.

The 9PX Gen2 Lithium-ion comes with a **five-year warranty on electronic components and batteries.**

You also have the option to extend warranty coverage for up to eight years, providing long-term protection and support for your investment.

Learn more:

Eaton 9PX Gen2 UPS

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Powering Business Worldwide



Eaton 9PX11KIRTNG2-L

1. Graphical LCD display with LED Status bar
   - Clear information on UPS status and measurements
   - Enhanced configuration capabilities
   - Available in 7 languages



Eaton 9PX11KIRTNG2-L

2. Cybersecured Gigabit Network card (Network –M3)
3. Communication card slot (11kVA model only)
4. USB & Serial ports
5. Relay output ports (2 outputs)
6. RPO & ROO ports



Eaton 9PX6KIRTNG2-L

7. MBP detection port
8. IEC ouputs (including C39 outlets, energy metering and 2 groups of remote-controlled sockets)
9. Input/ouput connection
10. External battery (EBM) connector

Technical specifications

	6000	11000
Rating (VA/W)	6000VA/6000W	11000VA/11000W
Format	RT3U (tower/rack 3U)	RT4U (tower/rack 4U)
Electrical characteristics		
Technology	ON-LINE double conversion with automatic bypass and Power factor correction system	
Nominal voltage	230V (adjustable to 200/208/220/240V)	
Input voltage range	176V- 276V without derating (100V- 276V up to 40% load)	
Input frequency range	Input range : 40-70 Hz, Output range : 50/60 Hz auto select or frequency converter mode	
Efficiency	up to 96.7% efficiency in Online mode	up to 97.2% efficiency in Online mode
Connections		
Input	Terminal block	Terminal block
Outputs	6 x C13 + 6 x C39 outlets, including 2 manageable groups with energy metering	8 x C13 + 8 x C39 outlets, including 2 manageable groups with energy metering
Batteries		

9PX Gen2 6000 typical backup times*	**1200W**	**1800W**	**2400W**	**3000W**	**3600W**	**4200W**	**4800W**	**6000W**
9PX Gen2 6000	34	23	18	14	12	10	9	7
9PX Gen2 6000 + 1 EBM	119	81	61	49	41	35	31	24
9PX Gen2 6000 + 4 EBM	355	242	184	148	123	106	92	14
9PX Gen2 11000 typical backup times*	**2200W**	**4400W**	**5500W**	**6600W**	**7700W**	**8800W**	**9900W**	**11000W**
9PX Gen2 11000	39	20	16	13	11	10	9	8
9PX Gen2 11000 + 1 EBM	90	45	36	30	26	22	20	18
9PX Gen2 11000 + 4 EBM	226	114	91	76	65	57	50	45

Battery	Lithium-ion battery (LFP) with 8 to 10 years service life, advanced Battery Management System (BMS) and automatic recognition of external battery modules (EBM)	
Communication		
Communication ports	1 USB port, 1 RS232 serial port (USB and RS232 ports cannot be used simultaneously), 4 mini terminal blocks (Dry contacts: 2 inputs, 2 outputs)	
Communication slot	1 slot with Network-M3 card included	2 slots, 1 with Network-M3 card included, 1 for optional cards (INDGW-M3, Relay-MS, INDRELAY-MS)
Operating conditions, standards and approvals		
Operating temperature	0 to 40°C	
Typical noise level	38dB	38dB
Safety	IEC/EN 62040-1, UL 1778, CSA 22.2	
EMC	IEC/EN 62040-2, FCC Class A, IEC/EN 62040-3 (Performance)	
Approvals & markings	CE, CB report (TUV), UL Listed	
Dimensions W x H x D in mm/weight		
UPS	440(19")*130(3U)*684 / 33.6kg	440(19")*174(4U)*724 / 60kg
EBM	438(19")*85.3(2U)*633 / 35kg	
Customer service and support		
Warranty	5 years full warranty (electronics, internal batteries and EBM)	

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

Parts numbers*	**6000VA RT3U**	**11000VA RT4U**
9PX Netpack Gen2 Li-Ion	9PX6KIRTNG2-L	9PX11KIRTNG2-L
9PX EBM 192V RT2U Gen2 Li-Ion	9PXEBM192RT2UG2-L	9PXEBM192RT2UG2-L

*All necessary hardware for rack & tower mounting included

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Publication No. TD153037EN
March 2026

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