Small and Medium Datacenter

Eaton 9PX Gen2 UPS

Power Up: Where Efficiency Meets Innovation!

Eaton's 9PX Gen2 5-11kW UPS further strengthens our proven 9PX power protection solution through advanced technology upgrades and customer-centric enhancements.

9PX Gen2 delivers best-in-class power management and battery backup for critical equipment in data centres, distributed IT, edge networks, network closets and server rooms.

Shift to next-level efficiency

Save on energy and cooling costs thanks to the latest generation of silicon carbide (SiC) components that help make for **market-leading efficiency of up to 97.2%** in the 11kW unit.

Reduce your footprint with unmatched power density of up to **11kW in 4U and 6kW in 3U format**. Energy Star-qualified, 9PX G2 delivers **11% more power than its predecessor.**

Experience the flexibility of new combo C39 outlets

Data centre designers have traditionally faced a guessing game when specifying the required number of C13 (10 A) and C19 (16 A) outlets.

The 9PX Gen2 solves this with **flexible combo C39 outlets that securely connect both C14 and C20 power cords.**

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.

Get ready for a revolution in battery management

Eaton's new **ABM+ technology uses predictive analytics** to better pinpoint battery health and the best time for easy, hot-swap replacement based on actual usage and conditions.

This **prevents unexpected downtime and the unnecessary expense** of replacing too soon. Optimised ABM+ charging **also increases battery lifespan by up to 50%.**

Peace of mind. Guaranteed.

The 9PX Gen2 comes with a **three-year warranty on electronic components and a two-year warranty on batteries** (full three-year upon registration).

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

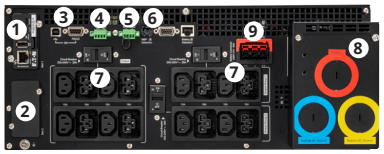
Learn more:

Eaton 9PX Gen2 UPS

Powering Business Worldwide

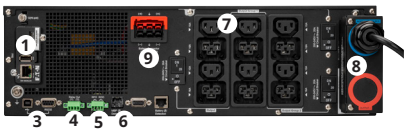
Eaton 9PX11KIRTNG2

1. Graphical LCD display with LED Status bar
   - Clear information on UPS status and measurements
   - Enhanced configuration capabilities Available in 7 languages
2. Panel for batteries replacement (Hot-swappable)



Eaton 9PX11KIRTNG2

1. Cybersecured Gigabit Network card (Network –M3)
2. Communication card slot (8 & 11kVA models only)
3. USB & Serial ports
4. Relay output ports (2 outputs)
5. RPO & ROO ports



Eaton 9PX6KIRTNG2

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

Technical Specifications

	5kVA	6kVA	8kVA	11kVA
Rating (kVA/kW)	5kVA/5kW	6kVA/6kW	8kVA/8kW	11kVA/11kW
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)			
Output voltage / THDv	200/208/220/230/240V +/- 1%; THDv <1%			
Input frequency range / THDI	40-70Hz, 50/60Hz autoselection, frequency converter as standard, THDI < 3%			
Efficiency	Up to 96.7% in Online mode		Up to 97.2% in Online mode	
Crest factor/short circuit current	3:1 / 90A	3:1 / 90A	3:1 / 120A	3:1 / 150A
Overload capacity	102%-125%: 10min, 125%-150%: 30s, >150%: 0.5s			
Connections				
Input	Terminal block (up to 10 mm2)		Terminal block (up to 16mm2)	
Outputs	Terminal block + 6 C39 + 6 C13 (2 controlled groups)		Terminal block + 8 C39 + 8 C13 (2 controlled groups)	
Outputs with HotSwap maintenance Bypass	Terminal block + 3 C39 + 2 C13		Terminal block + 4 C39	

Batteries						
Typical backup times*	1000W	2000W	4000W	6000W	8000W	10000W
5kVA/+1EBM/+4EBM	31/113/384	13/52/185	5/22/86			
6kVA/+1EBM/+4EBM	31/113/384	13/52/185	5/22/86	2.5/13/53		
8kVA/+1EBM/+4EBM	82/180/515	38/85/235	15/37/111	8.5/22/70	5.5/15/51	
11kVA/+1EBM/+4EBM	82/180/515	38/85/235	15/37/111	8.5/22/70	5.5/15/51	4/11/39
Battery management	ABM+ (Predictive battery life) & Temperature compensated charging method , Automatic battery test, deep discharge protection, automatic recognition of external battery units					

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-M2, Relay-MS, INDRELAY-MS)	
Operating conditions, standards and approvals				
Operating temeprature	0 to 40°C continuous			
Noise level**	38db	38db	38db	38db
Safety	IEC/EN 62040-1, UL 1778, CSA 22.2			
EMC, Performance	IEC/EN 62040 -2 , FCC Class A, IEC/EN 62040-3 (Performance)			
Approvals	CE, CB report (TUV), UL (except BP versions of the UPS)			
Dimensions W x H x D / Weight				
UPS	440(19") x 130(3U) x 684 mm/43.1kg	440(19") x 130(3U) x 684mm/43.1kg	440(19") x 174(4U) x 725mm/78.8kg	440(19") x 174(4U) x 725mm/78.8kg
EBM	440(19") x 130(3U) x 636mm/65.7kg	440(19") x 130(3U) x 636mm/65.7kg	440(19") x 130(3U) x 670mm/62kg	440(19") x 130(3U) x 670mm/62kg
Customer Service & Support				
Warranty	3 years warranty on electronics, 2 years on batteries (3 years full warranty upon registration)			

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

**Typical noise level (load level below 66% and ambient temperature below 30°C)

Parts Numbers	**9PX G2 5kVA**	**9PX G2 6kVA**	**9PX G2 8kVA**	**9PX G2 11kVA**
UPS with Network card and rack kit	9PX5KIRTNG2	9PX6KIRTNG2	9PX8KIRTNG2	9PX11KIRTNG2
UPS with HotSwap MBP, Network card and rack kits	9PX5KIRTNBPG2	9PX6KiRTNBPG2	9PX8KIRTNBPG2	9PX11KiRTNBPG2
EBM with rack kit	9PXEBM180RT3UG2	9PXEBM180RT3UG2	9PXEBM240RT3UG2	9PXEBM240RT3UG2
HotSwap Maintenance Bypass	MBP6KIG2	MBP6KIG2	MBP11KIG2	MBP11KIG2
2m battery connection cable	EBMCBL180RT	EBMCBL180RT	EBMCBL240RT	EBMCBL240RT
Battery Integration System	BINTSYS	BINTSYS	BINTSYS	BINTSYS

Powering Business Worldwide

Eaton
EMEA Headquarters
Route de la Longeraie 7
1110 Morges, Switzerland
eaton.com

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