

Eaton 9SX Gen2 UPS



Eaton's 9SX Gen2 5-11kW UPS delivers battery backup and power management for critical equipment in data centers, distributed IT, edge networks, network closets and server rooms.

Optimize your space with reliable power density

Reduce your footprint with power density of up to 11kW in 4U and 6kW power ratings in 3U format.

Advanced connectivity for modern needs

Benefit from enhanced connectivity with the optional NM3 (Gigabit Network Card), ensuring robust cybersecurity.

Manage your install base remotely, including UPS settings and firmware upgrades.

Seamlessly integrate 9SX Gen2 with digital solutions from our Brightlayer Data Centers suite.

Save on energy and cooling costs with Energy Star-qualified UPS

Efficiency of up to 97.2% in the 11kW unit is achieved thanks to new generation power electronics components.

Connect more equipment

The 9SX Gen2 UPS offers more outlets than previous versions, allowing you to connect more equipment.

For the 5/6kVA models, it provides 3 C19 and 8 C13 outlets, while the 8/11kVA models come with 4 C19 and 8 C13 outlets.

This ensures you have the flexibility to meet your power distribution needs.

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%.

Powering Business Worldwide

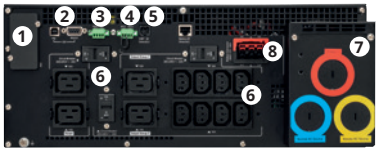
Learn more:

Eaton 9SX Gen2 UPS



Eaton 9SX6KIRT3UG2

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 9SX11KIRT4UG2

1. Slot for optional com card
2. USB & Serial ports
3. Relay output ports (2 outputs)
4. RPO & ROO ports



Eaton 9SX6KIRT3UG2

5. MBP detection port
6. IEC ouputs (2 groups of remote-controlled sockets)
7. Input/ouput connection
8. 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 (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 + 3 C19 + 8 C13 (2 controlled groups)		Terminal block + 4 C19 + 8 C13 (2 controlled groups)	

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	65/145/410	25/65/185	10.5/27/89	5.5/16/56	3.5/10.5/39	
11kVA/+1EBM/+4EBM	65/145/410	25/65/185	10.5/27/89	5.5/16/56	3.5/10.5/39	2/7.5/30
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 for Network-M3, INDGW-M2, INDRELAY-MS or Relay-MS			
Operating conditions, standards and approvals				
Operating temperature	0 to 40°C continuous			
Typical Noise level **	38db	38db	38db	38db
Safety	IEC/EN 62040-1, UL 1778 & CSA 22.2			
EMC, Performance	IEC/EN 62040 -2 , IEC/EN 62040-3			
Approvals	CE, CB report (TUV), UL (except 9SXEBM240G2 & 9SXEBM240RT3UG2)			
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	2 years warranty			

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

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

Parts Numbers	9SX G2 5kVA	9SX G2 6kVA	9SX G2 8kVA	9SX G2 11kVA
UPS (RT format)	-	-	9SX8KIG2	9SX11KIG2
UPS (RT with rack kit)	9SX5KIRT3UG2	9SX6KIRT3UG2	9SX8KIRT4UG2	9SX11KIRT4UG2
EBM (RT format)	-	-	9SXEBM240G2	9SXEBM240G2
EBM (RT with rack kit)	9SXEBM180RT3UG2	9SXEBM180RT3UG2	9SXEBM240RT3UG2	9SXEBM240RT3UG2
HotSwap Maintenance Bypass	MBP6KIG2	MBP6KIG2	MBP11KIG2	MBP11KIG2
2m battery connection cable	EBMCBL180RT	EBMCBL180RT	EBMCBL240RT	EBMCBL240RT
Rack kit	-	-	9RK	9RK

Powering Business Worldwide

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

© 2025 Eaton
All Rights Reserved
Publication No. BR153229EN
April 2025

Eaton is a registered trademark of Eaton.

All other trademarks are property of their respective owners.

Follow us on social media to get the latest product and support information.