Eaton 9SX UPS

700/1000/1500/2000/3000 VA

9SX Rack & Tower models

9SX graphical LCD

Advanced protection for:

- IT, Networking, Storage and Telecom
- Infrastucture, Industrial and Medical

Online double conversion UPS
Successor of Eaton 9130 UPS

Performance and Availability

- Double-conversion topology. The Eaton 9SX constantly monitors power conditions and regulates voltage and frequency.
- The internal bypass allows service continuity in case of internal fault, a maintenance bypass is also available (as option) for easy replacement of the UPS without powering down critical systems.
- With a 0.9 power factor the 9SX delivers 28% more power than UPS in its class. It powers more servers than other UPSs with equivalent VA ratings and lower power factors.
- Stronger, longer battery life: Eaton ABM® battery management technology uses an innovative three-stage charging technique that extends battery life by up to 50%. 9SX also provides recommended replacement date for batteries.

Manageability

- The new graphical LCD provides clear information on the UPS's status and measurements on a single screen. Enhanced configuration capabilities are also available.
- The 9SX can meter energy consumption. kWh values can be monitored using the LCD or Eaton's Intelligent Power® Software.
- Load segment control enables prioritised shutdowns of nonessential equipment to maximise battery runtime for critical devices.
- 9SX offers Serial, USB connectivity, plus an extra slot for an optional communication card. Eaton's Intelligent Power® Software seamlessly integrates with leading virtualisation environments and cloud orchestrations tools.

Flexibility

- One platform, two factors, dozens of choices. Up to 3000 VA of UPS power is packed into only 2U of rack space. The tower option is about the size of a modern, compact PC.
- More runtime can be added with up to 4 external hot-swappable battery modules, able to run systems for hours if necessary. The additional battery modules are automatically recognized by the UPS.

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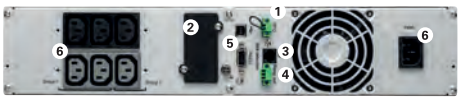
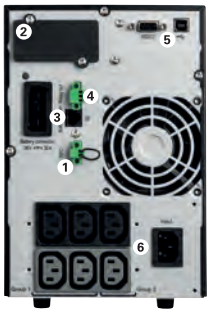
Eaton 9SX UPS

1 Remote Power Off connector (configurable)

2 Slot for Management card

3 External battery module (EBM) connector with automatic detection (RJ11)





4 Relay output

5 USB and serial ports

6 Input/Ouput connections

Technical specifications

	700 VA	1000 VA	1500 VA	2000 VA	3000 VA	
Rating (VA/W)	700 VA/630 kW	1000 VA/900 kW	1500 VA/1350kW	2000 VA/1800 kW	3000 VA/2700W	
Format	Tower	Tower or 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	190-276V without derating (up to 120-276V with derating)			200-276V without derating (up to 140-276V with derating)		
Input frequency range/THDI	40-70Hz, 50/60Hz autoselection, frequency converter mode					
Connections						
Input	1 IEC C14 (10A)	1 IEC C14 (10A)	1 IEC C14 (10A)	1 IEC C14 (10A)	1 IEC C14 (16A)	
Outputs	6 IEC C13 (10A) sockets	6 IEC C13 (10A) sockets	6 IEC C13 (10A) sockets	8 IEC C13 (10A) sockets	8 IEC C13 (10A) sockets + 1 IEC C19 (16A) socket	
Switched Outlet Group	2 outlet groups					
Batteries						
Typical backup times* (minutes)/load	300W	500W	800W	1200W	1800W	2500W
9SX 700	14	7,5				
9SX 1000	24	14	7			
9SX 1000 + 1 EBM/+ 4 EBM	90/320	56/200	33/120			
9SX 1500	39	23	12	7		
9SX 1500 + 1 EBM/+4 EBM	142/520	85/310	50/179	31/115		
9SX 2000 (Tower)	62	36	22	13	7	
9SX 2000 (Tower) + 1 EBM/+4 EBM	280/1050	165/620	100/390	65/250	40/160	
9SX 2000 (Rack)	42	25	14	8	4,5	
9SX 2000 (Rack) + 1 EBM/+4 EBM	210/800	120/480	72/270	45/175	30/118	
9SX 3000 (Tower)	78	45	29	17	10	6
9SX 3000 (Tower) + 1 EBM/+4 EBM	290/1100	175/630	108/421	68/255	45/168	30/112
9SX 3000 (Rack)	57	33	20	12	7	4
9SX 3000 (Rack) + 1 EBM/+4 EBM	220/820	125/490	77/280	50/180	32/121	22/81
Battery management	ABM® and Temperature compensated charging method (user selectable), automatic battery test, deep discharge protection, automatic recognition of external battery units.					
Communication						
Communication ports	1 USB port + 1 serial RS232 port + 1 mini-terminal block for Remote Power Off + 1 mini-terminal block for Output relay					
Communication slot	1 slot for Network-M2, Network-MS, ModBus-MS or Relay-MS cards					
Operating conditions, standards and approvals						
Operating temperature	0 to 40°C					
Typical noise level	40dB	41dB	43dB	45dB	45dB	
Safety	IEC/EN 62040-1, UL 1778, CSA 22.2					
EMC	IEC/EN 62040 -2 , FCC Class B, CISPR22 Class B					
Approvals & marking	CE /CB report (TUV) / cULus / EAC / RCM / BIS					
Dimensions H x W x D in mm/Weight						
UPS	252x160x357/11.5kg	Tower: 252x160x387/14.8kg Rack: 86.5x438x438/15.7kg	Tower: 252x160x437/18.5kg Rack: 86.5x438x438/18.4kg	Tower: 346x214x412/33.3kg Rack: 86.5x438x608/26.5kg	Tower: 346x214x412/33.4kg Rack: 86.5x438x608/26.5kg	
EBM		Tower: 252x160x387/19kg Rack: 86.5x438x438/22.2kg	Tower: 252x160x387/24.5kg Rack: 86.5x438x438/27.4kg	Tower: 346x214x412/48.7kg Rack: 86.5x438x608/40.5kg	Tower: 346x214x412/48.7kg Rack: 86.5x438x608/40.5kg	
Customer service and support						
Warranty	2 years					

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

Parts numbers	9SX 700 VA	9SX 1000 VA	9SX 1500 VA	9SX 2000 VA	9SX 3000 VA
UPS Tower	9SX700I	9SX1000I	9SX1500I	9SX2000I	9SX3000I
UPS Rack 2U	–	9SX1000IR	9SX1500IR	9SX2000IR	9SX3000IR
EBM Tower	–	9SXEBM36T	9SXEBM48T	9SXEBM96T	9SXEBM96T
EBM Rack 2U	–	9SXEBM36R	9SXEBM48R	9SXEBM72R	9SXEBM72R
2m battery connection cable (Tower only)	–	EBMCBL36T	EBMCBL48T	EBMCBL96T	EBMCBL96T

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