

Eaton 9SX UPS

700/ 1000/ 1500/ 2000/ 3000/ 5000/ 6000 VA



9SX Rack & Tower models



9SX graphical LCD

Advanced protection for:

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



High Performance Online double-conversion 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.



Powering Business Worldwide

Eaton 9SX UPS Technical Specifications

- 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/Output connections



Technical specifications	700 VA	1000 VA	1500 VA	2000 VA	3000 VA	5000VA	6000 VA
Rating (VA/W)	700 VA/ 630 W	1000 VA/900 W	1500 VA/1350 W	2000 VA/1800 W	3000 VA/2700 W	5000 VA/4500 W	6000 VA/5400 W
Format	Tower	Tower or Rack 2U	Tower or Rack 2U	Tower or Rack 2U	Tower or Rack 2U	Tower	Tower
Electrical characteristics							
Technology	ON-LINE double conversion with automatic bypass and Power factor correction 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)		180-276V without derating (up to 120-276V with derating)	
Input frequency range	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 C20 (16A)	Ph+N+E Terminal block	Ph+N+E Terminal block
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	Ph+N+E Terminal block	Ph+N+E Terminal block
Switched outlet group	2 outlet groups						
Batteries							
Typical backup times*	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	
	900W	1800W	2700W	3600W	4500W	5400W	
9SX 5000	66	28	18	11,5	8		
9SX 5000 + 1 EBM/+4 EBM	250/1016	111/478	67/250	46/180	35/144		
9SX 6000	66	28	18	11,5	8	6	
9SX 6000 + 1 EBM/+4 EBM	250/1016	111/478	67/250	46/180	35/143	28/112	
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	46dB	46dB
Safety	IEC/EN 62040-1, UL 1778, CSA 22.2					IEC/EN 62040-1	
EMC	IEC/EN 62040 -2, FCC Class B, CISPR22 Class B					IEC/EN 62040 -2	
Approvals & markings	CE /CB report (TUV) / cULus / EAC /RCM					CE /CB report (TUV) / EAC /RCM	
Dimensions H x W x D in mm/ Weight							
UPS	252x160x357/11.5kg	Tower: 252x160x387/14.8 kg Rack: 86.5x438x438/15.7 kg	Tower: 252x160x437/18.5 kg Rack: 86.5x438x438/18.4 kg	Tower: 346x214x412/33.3 kg Rack: 86.5x438x608/26.5 kg	Tower: 346x214x412/33.4 kg Rack: 86.5x438x608/26.5 kg	575x244x542/65.5kg	575x244x542/65.5kg
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	575x244x542/104.9kg	575x244x542/104.9kg
Customer service and support							
Warranty	3 years	3 years	3 years	3 years	3 years	3 years	2 years

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

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