

# Eaton 9SX UPS

700/1000/1500/2000/3000 VA



9SX Rack & Tower models



9SX graphical LCD

#### Advanced protection for:

- IT, Networking, Storage and Telecom
- Infrastructure, 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/Output connections

## Technical specifications

	700 VA	1000 VA	1500 VA	2000 VA	3000 VA
<b>Rating (VA/W)</b>	700 VA/630W	1000 VA/900W	1500 VA/1350W	2000 VA/1800W	3000 VA/2700W
Format	Tower	Tower or Rack 2U			
<b>Electrical characteristics</b>					
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				
<b>Connections</b>					
Input	1 IEC C14 (10A)	1 IEC C14 (10A)	1 IEC C14 (10A)	1 IEC C14 (10A)	1 IEC C20 (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				
<b>Batteries</b>					
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 <sup>®</sup> and Temperature compensated charging method (user selectable), automatic battery test, deep discharge protection, automatic recognition of external battery units.				
<b>Communication</b>					
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				
<b>Operating conditions, standards and approvals</b>					
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 (Tower models only) / KCC (Tower models only)				
<b>Dimensions H x W x D in mm/Weight</b>					
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
<b>Customer service and support</b>					
Warranty	2 years				
* Backup times are approximate and may vary with equipment, configuration, battery age, temperature, etc.					
<b>Parts numbers</b>					
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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