Eaton 9PX UPS
1000–3000W



3000W in only 2U!

Advanced protection for:

- Small and Medium Datacentre
- IT, Networking, Storage and Telecom
- Infrastucture, Industrial and Medical



Energy efficient power protection

Performance and efficiency

- 9PX is the first UPS in its class to provide Unity power factor (VA=W). It delivers 11% more power than any other UPS as well as powering more servers with equivalent VA ratings and lower power factors.
- Energy Star qualified, the 9PX provides the highest efficiency level to reduce energy and cooling costs.
- Double conversion topology. The Eaton 9PX constantly monitors power conditions and regulates voltage and frequency.
- With a versatile Rack/Tower form factor, the 9PX is the most compact solution delivering up to 3000W in only 2U.

Manageability

- The graphical LCD display provides clear information on the UPS's status and measurements on a single screen. Enhanced configuration capabilities are also available.
- 9PX can meter energy consumption right down to the managed outlet groups. kWh values can be monitored using the LCD or Eaton's Intelligent Power™ Software.
- Load segment control enables prioritised shutdowns of non-essential equipment to maximize battery runtime for critical devices.
- 9PX offers Serial and 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.

Availability and flexibility

- 9PX 2200 & 3000 are available in RT2U format (optimised for rack mounting) or RT3U (for tower or short-depth racks), pedestal and rail kits are included with all models.
- The internal bypass allows service continuity in case of internal fault, a maintenance bypass is also available (as standard on HotSwap version) for easy replacement of the UPS.
- Stronger, longer battery life: Eaton ABM® battery management technology uses an innovative three-stage charging technique that extends battery life by up to 50%.
- More runtime can be added with up to 4 external hot-swappable battery modules, able to run systems for hours if necessary.

ENERGY STAR

VA = Watt

EATON
Powering Business Worldwide

Eaton 9PX UPS technical specifications

1 Graphical LCD display :
- Clear information on UPS status and measurements
- Enhanced configuration capabilities

2 Panel for batteries replacement (Hot swappable)

3 Slot for Management card (Network card delivered as standard on netpack version)



Eaton 9PX 3000VA

4 Outputs: 8 x IEC 10A + 2 x IEC 16A with energy metering (including 2 programmable groups)

5 USB port,1 serial port, Remote ON/OFF, Remote power OFF and Relay output

6 External battery (EBM) connector

Technical specifications	**1000**	**1500**	**2200**	**3000VA**		
Rating (VA/W)	1000VA/1000W	1500VA/1500W	2200VA/2200W	3000VA/3000W		
Format	RT2U (tower/rack 2U)		RT2U (tower/rack 2U) and RT3U (tower/rack 3U)			
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)					
Input frequency range	40-70Hz, 50/60Hz autoselection, frequency converter mode					
Efficiency	up to 91.5% in online mode (up to 97.5% in Hi-efficiency mode)	up to 92.5% in online mode (up to 97.5% in Hi-efficiency mode)	up to 93.5% in online mode (up to 98% in Hi-efficiency mode)	up to 94% in online mode (up to 98% in Hi-efficiency mode)		
Connections						
Input	1 IEC C14 (10A)		1 IEC C20 (16A) or terminal block on HotSwap MBP HW (Hard-Wired)			
Outputs	8 IEC C13 (10A) sockets		8 IEC C13 (10A) sockets + 2 IEC C19 (16A) sockets			
Outputs on HotSwap models			4 FR/Schuko sockets or 3 BS sockets or 6 IEC 10A sockets or terminal blocks (HW version)			
Switched outlet group	2 outlet groups					
Batteries						
Typical backup times*	300W	500W	800W	1200W	1800W	2500W
9PX 1000	28	16	9			
9PX 1000 + 1 EBM/+4 EBM	134/530	79/316	47/188			
9PX 1500	38	23	13	7		
9PX 1500 + 1 EBM/+4 EBM	143/536	86/319	52/192	32/120		
9PX 2200	43	25	15	9	5	
9PX 2200 + 1 EBM/+4 EBM	206/818	123/491	74/297	47/189	29/118	
9PX 3000	60	36	22	13	7	4
9PX 3000 + 1 EBM/+4 EBM	221/824	135/504	83/307	52/194	33/122	22/82
Battery management	ABM® & 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 ON/OFF + 1 mini-terminal block for remote power off + 1 mini-terminal block for output relay					
Communication slot	1 slot for Network-MS card (included in netpack versions), ModBus-MS or Relay-MS cards					
Operating conditions, standards and approvals						
Operating temeprature	0 to 40°C					
Typical noise level	35dB		40dB			
Safety	IEC/EN 62040-1, UL 1778, CSA 22.2					
EMC	IEC/EN 62040 -2, FCC Class B, CISPR22 Class B					
Approvals & markings	CE /CB report (TUV) / cULus / EAC /RCM / KC / Energy Star					
Dimensions H x W x D in mm/ Weight						
UPS	86.5*440*450/17.4kg	86.5*440*450/18.9kg	2U version: 86.5*440*605/25kg 3U version: 130*440*485/24.5kg	2U version: 86.5*440*605/27.6kg 3U version: 130*440*485/27.4kg		
EBM	86.5*440*450/29.8kg		2U version: 86.5*440*605/39.2kg 3U version: 130*440*485/38.2kg			
Customer service and support						
Warranty	3 years on electronics, 2 years on batteries					

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

Parts numbers*	9PX 1kVA	9PX 1.5kVA	9PX 2.2kVA	9PX 3kVA
UPS RT3U			9PX2200IRT3U	9PX3000IRT3U
UPS RT2U	9PX1000IRT2U	9PX1500IRT2U	9PX2200IRT2U	9PX3000IRT2U
UPS RT3U with HotSwap MBP			IEC: 9PX2200IRTBP HW: 9PX2200IRTBPH FR: 9PX2200IRTBPF DIN: 9PX2200IRTBPD BS: 9PX2200IRTBPB	IEC: 9PX3000IRTBP HW: 9PX3000IRTBPH FR: 9PX3000IRTBPF DIN: 9PX3000IRTBPD BS: 9PX3000IRTBPB
UPS RT2U with Network card	9PX1000IRTN	9PX1500IRTN	9PX2200IRTN	9PX3000IRTN
EBM	9PXEBM48RT2U		2U: 9PXEBM72RT2U 3U: 9PXEBM72RT3U	
2m battery connection cable	EBMCBL48		EBMCBL72	
Battery integration system	BINTSYS			

*All 9PX UPS and EBM are delivered with rack kit

In the interests of continuous product improvement all specifications are subject to change without notice.

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