

**Eaton 9PX split-phase UPS technical specifications  
(6, 8 and 10 kVA models)**

**Model overview**

Catalog Number	Rating (VA/Watts)	Input	Output	Dimensions (H x W x D, in)	Weight (lb)
9PX6KSP	5500/4900*	L14-30P**	(1) L14-30R, (1) L6-30R, (4) 5-20R, Hardwired	6.8 (4U) x 17.3 x 25.6	157
9PX8KSP	8000/7200	Hardwired	(2) L14-30R, (1) L6-30R, Hardwired	10.3 (6U) x 17.3 x 27.6	225
9PX10KSP	10000/9000	Hardwired	(2) L14-30R, (1) L6-30R, Hardwired	10.3 (6U) x 17.3 x 27.6	225

\*6K models derated at 100/200, 120/208, 110/220V (see electrical output).

\*\*Terminal block with L14-30P cord.

**Extended Battery Modules (EBM)**

Catalog Number	Description	Dimensions (H x W x D, inches)	Weight (lb)
9PXEbm240SP	6K SP EBM (add up to 4 EBMs), Use with 9PX6KSP UPS	5.1 (3U) x 17.3 x 26.6	132
EBMCBL240SP	9PX EBM Cable Extension 6kVA Split-Phase 120/240, 6ft (1.8m)		
9PXEbm360SP	8/10K EBM (add up to 4 EBMs) Use with 9PX8KSP, 9PX10KSP UPS	5.1 (3U) x 17.3 x 25.4	163
EBMCBL360SP	9PX EBM Cable Extension 8/10kVA Split-Phase 120/240, 6ft (1.8m)		

**9PX 6 kVA split-phase battery backup times (in minutes) \*\*\***

Load (Watts)	Internal Batteries	+1 EBM	+2 EBMs	+3 EBMs	+4 EBMs
100%	6	16	29	44	61
90%	7	18	32	48	68
80%	8	21	38	56	78
70%	10	25	44	66	90
60%	12	31	53	79	109
50%	15	38	66	96	133
40%	20	49	82	124	195
30%	27	68	113	198	259

**9PX 8 and 10 kVA split-phase battery backup times (in minutes) \*\***

Load (Watts)	Internal Batteries	+1 EBM	+2 EBMs	+3 EBMs	+4 EBMs
9000	5	13	22	33	47
8100	6	15	25	38	52
7200	7	17	30	44	61
6300	8	20	35	51	71
5400	9	24	43	62	86
4500	12	30	53	77	105
3600	16	40	68	99	135
2700	23	55	95	148	193

\*\*\*Runtimes are shown at full load with maximum power factor, are approximate and may vary with equipment, configuration, battery age, temperature, etc. View interactive runtime graphs at [www.eaton.com/9PX](http://www.eaton.com/9PX).

**Additional technical specifications**

<b>General</b>	
Graphical LCD	Graphical displays UPS status in a single view
LEDs	4 status-indicating LEDs
Topology	Online
Transfer time	0 ms
Diagnostics	Full system self-test at power up; ABM <sup>®</sup>
ROO/RPO	Rear deck emergency stop connectors (for remote on/off and power off)
Rail kit/tower stand	Included with all units
<b>Electrical input</b>	
Nominal voltage (user selectable)	120/208, 120/240, 100/200, 110/220, 115/230, 127/220
Default voltage	120/208
Voltage range (full load)	200-280V
(derating)	100-276V
Frequency	50/60Hz
Frequency range (60 Hz)	40/70Hz
Frequency window range (50Hz)	57.5 - 62.5Hz $\pm$ 0.1 Hz
<b>Electrical output</b>	
Power factor	0.9+
Power ratings <b>6kVA</b>	120/208,120/240 5520 VA / 4968 W (L-N)
	100/200 4680 VA / 4212 W (L-N)
	110/220 5160 VA / 4644 W (L-N)
	115/230 5340 VA / 4806 W (L-N)
	127/220 6000 VA / 5400 W (L-N)
Power ratings <b>8 kVA</b>	8000 VA / 7200 W (L-N)
Power ratings <b>10 kVA</b>	120/208,120/240 10000 VA / 9000 W (L-N)
	100/200 8000 VA / 7200 W (L-N)
	110/220 9000 VA / 8100 W (L-N)
	115/230, 127/220 10000 VA / 9000 W (L-N)
Steady state voltage regulation <b>6 kVA</b>	$\pm$ 2% (L-N)
Steady state voltage regulation <b>8/10 kVA</b>	$\pm$ 1%
Frequency regulation <b>8/10 kVA</b>	$\pm$ 5% (adjustable from $\pm$ 1% to $\pm$ 10%)
Efficiency, resistive load <b>6 kVA</b>	92.9%
Efficiency, resistive load <b>8/10kVA</b>	93%

<b>Battery</b>		
Internal battery type	Sealed lead-acid; maintenance free	
Battery replacement	Hot-swappable internal batteries	
Battery runtime	See battery runtime tables	
<b>Communications</b>		
Serial port	RS-232 (RJ45) ports	
USB port	As standard (HID)	
Web/SNMP	ConnectUPS-MS card standard	
Cables	RS-232 and USB cable included, 6ft (1.8m)	
Power management software	Intelligent Power Software Suite	
<b>Safety markings</b>		
Safety conformance	CE / cULus / NOM	
EMC compliance	IEC 62040-2:2006 Cat C2 / CISPR22 Class A / FCC part 15 Class A	
Operating temperature	0 to 40°C (32°F to 104°F)	
Storage temperature	0 to 35°C (32°F to 95°F)	
Storage temp less batt	-15 to 60°C (5°F to 140°F)	
Relative humidity	0 to 95%	
Surge suppression	IEEE ANSI C62.41 Cat B2	
Audible noise	<45 dB at 1m	
Altitude	<3,000m for nominal power; -5°C temp derating every 500m	
<b>Heat dissipation table (battery fully charged, resistive load)</b>		
<b>9PX UPS model</b>	<b>Online mode, BTU/hr</b>	<b>Battery mode, BTU/hr</b>
9PX6KSP	1275	1535
9PX8KSP	1848	1848
9PX10KSP	2310	2310

Note: Due to continuing product improvement programs, specifications are subject to change without notice.