

Eaton 9PX UPS technical specifications (8 and 11 kVA models*)

Model overview

Catalog number	Power rating (VA/watts)	Input	Output	Dimensions (HxWxD, in.)**	Weight (lb.)
208V output, 50/60 Hz bundles					
9PX8KHW	8000/7200	Hardwired	Hardwired	10.2 (6U) x 17.3 x 27.6	190
9PX8K	8000/7200	Hardwired	Hardwired, (3) L6-30R	10.2 (6U) x 17.3 x 30.0	205
9PX11KHW	11000/10000	Hardwired	Hardwired	10.2 (6U) x 17.3 x 27.6	190
9PX11K	11000/10000	Hardwired	Hardwired, (3) L6-30R	10.2 (6U) x 17.3 x 30.0	205
120/208V output, 50/60 Hz bundles					
9PX8KTF5 ¹	8000/7200	Hardwired	Hardwired, (2) L6-30R, (18) 5-20R	15.3 (9U) x 17.3 x 30.0	300
9PX11KTF5 ¹	11000/10000	Hardwired	Hardwired, (2) L6-30R, (18) 5-20R	15.3 (9U) x 17.3 x 30.0	300
9PX11KTF11	11000/10000	Hardwired	Hardwired, (2) L14-30R, (8) 5-20R	15.3 (9U) x 17.3 x 27.6	377

Each module of every 9PX bundle ships with a 4-post rail kit. *Terminal block with L6-30P cord.

1. Bundles with 9PXTFMR5 have output frequency of 60 Hz only

Battery backup times (in minutes)****

Load (watts)	Internal Batteries	+1 EBM	+2 EBMs	+3 EBMs	+4 EBMs	+5 EBMs
10000	3.0	10	18	25	34	42
7500	5.5	15	25	37	48	61
5000	10.0	25	42	61	80	98
2500	25.0	60	97	136	163	184
1000	74.0	159	237	341	461	541

****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.

Additional specifications

General	
Topology	Double-conversion online
Configuration	Rack/tower
Color	Black and silver
Diagnostics	Full system self test at power up
Warranty	3 years
Rail kit	4-post rail kit and tower pedestals included
Remote emergency power off (REPO)	ROO and RPO: Rear deck emergency stop connectors (for remote on/off and power off)
Contents (Ships with the following items)	UPS Network-M2 Web/SNMP card 4-post rail kit User manual Quick start guide Tower pedestals Intelligent Power Software Suite CD RS-232 serial cable USB cable Cable gland for hard wire connection Phillips head screw driver
Electrical input	
Input voltage range	Full load: 176-276V, Derating: 100-276V
Nominal voltage	200/208/220/230/240V

Default voltage	NEMA: 208V. IEC: 230V
Frequency	50/60 Hz
Frequency range	60 Hz: 50–70 Hz, 50 Hz: 40–60 Hz
Input power factor	>.99
Input current distortion	<5%
Electrical output	
Power ratings 8 kVA	200/208/220/230/240/250V: 8000 VA / 7200 watts
Power ratings 11 kVA	230/240V: 11000 VA / 10000 watts 220V: 11000 VA / 9900 watts 208V: 10000 VA / 9000 watts 200V: 10000 VA / 9000 watts 250V: 10000 VA / 9000 watts
Nominal voltage	208V default (200/208/220/230/240/250V)
Output voltage regulation	±1% steady-state
Voltage THD	<2% for linear loads
Power factor	0.9+
Efficiency	94% with resistive load
Transfer time	0 ms
Battery	
Optional extended battery module (EBM)	9PXEBM240RT
Maximum number of EBMs	Add up to 5 EBMs with the UPS ; add up to 12 EBMs with SC240RT 240V super charger module
Battery description	Sealed, lead-acid; maintenance free
Battery management	ABM technology; 3-stage charging extends battery service life by 50% and provides advance warning for battery replacement
Battery replacement	Hot-swappable internal batteries and extended battery modules (EBMs)
Start on battery	Cold-start enabled; first cold start is always forbidden
Communications	
User interface	Graphical display. UPS status in a single view.
LEDs	4 status-indicating LEDs
Communication ports	RS-232 (RJ45) ports; USB port as standard (HID). 6-foot RS-232 and USB cables included
Communications card slot	Network Card-M2 included
Power management software	Eaton Intelligent Power Software Suite CD (included)
Environmental & standards	
RoHS compliance	Yes
Surge protection	IEEE ANSI C62.41 Cat B2
Heat dissipation (BTU/hr; battery full charged, resistive load)	9PX8K: Online: 1570. Battery: 2140 9PX11K: Online: 1920. Battery: 2900
Audible noise	<45 dB at 1 meter
Operating temperature	0 to 40°C (32°F to 104°F)
Safety conformance	CE / cULus / NOM
EMC markings	IEC 62040-2:2006 Cat C2 / CISPR22 Class A / FCC part 15 Class A
Storage temperature	0 to 35°C (32°F to 95°F); without batteries: -15 to 60°C (5°F to 140°F)
Relative humidity	0 to 95% non-condensing
Altitude	<1,000 meters for nominal power; 10% power derating every 1000 meters (up to 3000 meters) at 40°C

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