Eaton 9PX UPS technical specifications (3 kVA 3U models*)

Model overview

Catalog number	Power rating (VA/watts)	Input connection	Output receptacles	Dimensions (HxWxD, in.)**	Weight (lb.)
208V output, 50/60 Hz bundles					
9PX3K3UN	3000/3000	L6-30P***	(2) L6-30R, (2) L6-20R, Hardwired	5.1 (3U) x 17.3 x 28.4	106
120/208V output, 50/60 Hz bundles					
9PX3K3UNTF5	3000/3000	L6-30P***	(1) L6-30R, (2) L6-20R, (18) 5-20R, Hardwired	10.2 (6U) x 17.3 x 28.4	201
9PX3K3UNP1[1]	3000/3000	L6-30P	(1) L14-30R, (1) L6-30R, (6) 5-20R	10.2 (6U) x 17.3 x 28.4	203
9PX3K3UNP2	3000/3000	Hardwired	Hardwired	10.2 (6U) x 17.3 x 28.4	201

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

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; Optional 2-post rail kit available, part number: RK2PC
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 hardwire connection Phillips head screwdriver

Electrical input	
Input voltage range	Full load: 176-276V, Derating: 100-276V
Nominal voltage	200/208/220/230/240V
Default voltage	208V
Frequency	50/60 Hz
Frequency range	60 Hz: 50–70 Hz, 50 Hz: 40–60 Hz
Input power factor	$\geq$.99
Input current distortion	<5%
Circuit breakers	(2) 20A for L6-20R

Electrical output	
Power ratings	200/208/220/230/240V: 3000 VA/3000 watts
Nominal voltage	208V default (200/208/220/230/240V)
Output voltage regulation	±1% steady-state
Voltage THD	<2% for linear loads
Power factor	0.9
Efficiency	92.5% with resistive load
Transfer time	0 ms
Battery	
Optional extended battery module (EBM)	9PXEBM180RT
Maximum number of EBMs	Add up to 4 EBMs
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 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	Integrates with Eaton Intelligent Power Manager software
Environmental & standards	
Energy Star	Yes
RoHS compliance	Yes
Surge protection	IEEE ANSI C62.41 Cat B2
Heat dissipation (BTU/hr; battery full charged, resistive load)	9PX3K: Online: 830. Battery: 1040
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	3,000 meters at 40°C

Battery backup times (in minutes)****

Load (watts)	Internal batteries	+1 EBM	+2 EBMs	+3 EBMs	+4 EBMs
3000	7.2	33	62	92	122
2500	9.4	42	78	109	147
2000	12.9	55	100	135	185
1500	19.1	75	133	184	258
1000	31.9	115	196	297	421
500	62.0	222	432	576	840

****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.