

Eaton 9PX G2 UPS technical specifications (3 kVA 3U – 6U models)

Model overview

Catalog number	Power rating (VA/watts)	Input	Output	Dimensions (HxWxD, in.)	Weight (lb.)
200V – 240V output, 50/60 Hz					
9PX3K3UG2	3000/3000	10ft. L6-30P, hardwired	(2) L6-30R, (2) L6-20R, hardwired	5.1 (3U) x 17.3 x 27	98.4
100V – 240V output, 50/60 Hz bundles					
9PX3K3UNTF5G2 ¹	3000/3000	10ft. L6-30P, hardwired	(1) L6-30R, (2) L6-20R, (18) 5-20R	10.2 (6U) x 17.3 x 27	194
9PX3K3UNP1G2	3000/3000	10ft. L6-30P	(1) L14-30R, (1) L6-30R, (6) 5-20R	10.2 (6U) x 17.3 x 27	196
9PX3K3UNP2G2	3000/3000	Hardwired	Hardwired	10.2 (6U) x 17.3 x 27	194

1. Bundles with 9PXTFMR5G2 have output frequency of 60 Hz only.

Battery backup times (in minutes)*

Model Name	Internal battery + EBM quantity	Output Power (W)	5%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
9PX3K3UG2 9PX3K3UNP1G2 9PX3K3UNP2G2 9PX3K3UNTF5G2	Internal	3000	223.3	104.0	52.8	34.6	24.5	18.5	14.6	12.3	10.3	8.7	7.5
	Internal +1*EBM	3000	768.4	348.9	184.3	124.8	91.8	71.8	58.2	49.5	42.3	36.7	32.2
	Internal +2*EBM	3000	>1200	625.0	324.0	220.2	163.3	128.9	105.7	90.4	77.8	68.0	60.1
	Internal +3*EBM	3000	>1200	936.3	473.2	319.7	236.9	187.5	154.3	132.6	114.5	100.4	89.1
	Internal +4*EBM	3000	>1200	>1200	632.8	423.8	313.1	247.5	203.8	175.8	152.0	133.5	118.7
	Internal +5*EBM	3000	>1200	>1200	803.6	532.8	391.9	309.2	254.5	219.9	190.3	167.2	148.8
	Internal +6*EBM	3000	>1200	>1200	986.0	647.0	473.5	372.7	306.3	264.9	229.3	201.5	179.4
	Internal +7*EBM	3000	>1200	>1200	1180.5	766.5	558.1	438.0	359.3	310.8	269.0	236.4	210.5
	Internal +8*EBM	3000	>1200	>1200	>1200	891.4	645.7	505.1	413.6	357.6	309.3	271.8	242.0
	Internal +9*EBM	3000	>1200	>1200	>1200	1021.8	736.4	574.3	469.3	405.3	350.4	307.8	274.0
	Internal +10*EBM	3000	>1200	>1200	>1200	1157.7	830.2	645.4	526.3	453.8	392.1	344.2	306.4
	Internal +11*EBM	3000	>1200	>1200	>1200	>1200	927.2	718.5	584.6	503.3	434.5	381.3	339.2
	Internal +12*EBM	3000	>1200	>1200	>1200	>1200	1027.4	793.7	644.4	553.6	477.6	418.9	372.5

*Approximate runtimes are shown 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; 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)

General	
Package contents	UPS Pre-installed NETWORK-M3 card 4-post rail kit Tower pedestals Quick start guide RS-232 serial cable USB cable Cable gland for hardwire connection
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	>.99
Input current distortion (THDI)	<3% (linear load), <5% (non-linear load)
Recommended input circuit breaker	30A
Electrical output	
Power ratings NEMA 3kVA	200 – 240V: 3000 watts
Nominal voltage	208V default (200/208/220/230/240V)
Output voltage regulation	±1% steady-state
Voltage THD	<1% (linear load)
Power factor	1.0
Efficiency	96.4% (online mode), 98.3% (high efficiency mode), 95% (battery mode)
Transfer time	0 ms
Battery	
Optional extended battery module (EBM)	9PXEBM180RTG2
Maximum number of EBMs	Add up to 12 EBMs
Battery description	Sealed, lead-acid; maintenance free
Battery management	ABM+ technology: Predictive battery replacement analytics alerts users of an estimated two months of remaining battery life, while optimizing charging to increase battery lifespan up to 50%
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	Status-indicating LED bar
Communication ports	RS-232 (RJ45) ports; USB port as standard (HID). 6-foot RS-232 and USB cables included
Communications card slot	NETWORK-M3 card included
Power management software	Brightlayer software suites

Environmental & standards	
RoHS compliance	Yes
Surge protection	IEEE ANSI C62.41 Cat B2
Heat dissipation (BTU/hr; battery full charged, resistive load)	3kVA: Online: 415; High efficiency: 177; Battery: 471
Audible noise	<38 dB at 1 meter (online mode, <87°F)
Operating temperature	0 to 40°C (32°F to 104°F)
Safety conformance	CE / cULus / NOM / EAC / Cm / Ukr / RCM / Energy Star
EMC markings	IEC 62040-2:2016 / CISPR22 Class A / FCC part 15 Class A
Storage temperature	0 to 40°C (32°F to 104°F); without batteries: -25 to 55°C (-13°F to 131°F)
Relative humidity	0 to 95% non-condensing
Altitude	up to 3000 meters

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