

Eaton 9PX G2 UPS technical specifications (8 and 11 kVA models)

Model overview

Catalog number	Power rating (VA/watts at 240V)	Input	Output	Dimensions (HxWxD, in.)	Weight (lb.)
200V – 240V output, 50/60 Hz					
9PX8KG2	8000/8000 ²	Hardwired	(4) L6-30R, hardwired	6.8 (4U) x 17.3 x 28.6	173.7
9PX8KMG2	8000/8000 ²	Hardwired	(4) L6-30R, hardwired	6.8 (4U) x 17.3 x 32.6	188.7
9PX11KG2	11000/11000	Hardwired	(4) L6-30R, hardwired	6.8 (4U) x 17.3 x 28.6	173.7
9PX11KMG2	11000/11000	Hardwired	(4) L6-30R, hardwired	6.8 (4U) x 17.3 x 32.6	188.7
100V – 240V output, 50/60 Hz bundles					
9PX8KTF5G2 ¹	8000/8000 ²	Hardwired	(3) L6-30R, (18) 5-20R, hardwired	12 (7U) x 17.3 x 32.6	315
9PX11KTF5G2 ¹	11000/11000	Hardwired	(3) L6-30R, (18) 5-20R, hardwired	12 (7U) x 17.3 x 32.6	315
9PX11KTF11G2	11000/11000	Hardwired	(4) L6-30R, (2) L14-30R, (8) 5-20R, hardwired	12 (7U) x 17.3 x 28.6	377
9PX11KTF11MG2	11000/11000	Hardwired	(4) L6-30R, (2) L14-30R, (8) 5-20R, hardwired	12 (7U) x 17.3 x 32.6	392

1. Bundles with 9PXTFMR5G2 have output frequency of 60 Hz only.
2. 8000W output at 220-240V. De-rated to 7600W output at 208V. See power ratings on page 2.

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%
9PX8KG2 9PX8KMG2 9PX8KTF5G2	Internal	8000	202.1	102.0	47.5	30.4	20.8	15.2	11.6	9.7	7.9	6.5	5.4
	Internal +1*EBM	8000	440.6	218.4	106.0	68.7	48.7	36.9	29.0	25.1	20.9	17.7	15.2
	Internal +2*EBM	8000	726.6	345.6	166.9	109.5	79.1	61.2	49.0	42.3	35.8	30.8	26.7
	Internal +3*EBM	8000	1065.3	485.0	229.9	151.0	109.9	85.7	69.3	59.8	51.0	44.2	38.7
	Internal +4*EBM	8000	>1200	638.2	295.6	193.5	141.0	110.5	89.8	77.5	66.4	57.8	50.9
	Internal +5*EBM	8000	>1200	806.3	364.4	237.2	172.7	135.5	110.4	95.3	81.9	71.5	63.2
	Internal +6*EBM	8000	>1200	990.4	436.7	282.2	205.0	160.8	131.3	113.2	97.5	85.3	75.5
	Internal +7*EBM	8000	>1200	1191.2	512.6	328.7	238.0	186.5	152.3	131.3	113.2	99.2	87.9
	Internal +8*EBM	8000	>1200	>1200	592.4	376.8	271.8	212.7	173.6	149.5	129.0	113.1	100.4
	Internal +9*EBM	8000	>1200	>1200	676.2	426.6	306.3	239.3	195.1	168.0	145.0	127.2	112.9
	Internal +10*EBM	8000	>1200	>1200	764.2	478.0	341.8	266.4	217.0	186.7	161.1	141.3	125.5
	Internal +11*EBM	8000	>1200	>1200	856.4	531.3	378.2	294.0	239.2	205.7	177.3	155.6	138.2
Internal +12*EBM	8000	>1200	>1200	953.1	586.3	415.5	322.2	261.8	224.9	193.8	170.0	151.0	
9PX11KG2 9PX11KMG2 9PX11KTF11G2 9PX11KTF11MG2 9PX11KTF5G2	Internal	11000	146.0	74.3	32.2	19.9	13.2	9.4	6.9	5.8	4.6	3.7	3.1
	Internal +1*EBM	11000	313.4	160.7	74.7	46.9	32.6	24.1	18.5	16.1	13.1	10.9	9.3
	Internal +2*EBM	11000	504.5	252.6	119.0	76.4	54.5	41.3	32.6	28.1	23.5	19.9	17.1
	Internal +3*EBM	11000	722.0	350.4	164.1	106.2	76.8	59.0	47.2	40.6	34.2	29.3	25.5
	Internal +4*EBM	11000	968.9	455.3	210.3	136.4	99.2	76.8	61.9	53.2	45.2	39.0	34.1
	Internal +5*EBM	11000	>1200	568.1	257.9	167.1	121.8	94.7	76.8	66.0	56.3	48.8	42.9
	Internal +6*EBM	11000	>1200	689.1	307.1	198.3	144.6	112.8	91.7	78.8	67.5	58.7	51.7
	Internal +7*EBM	11000	>1200	819.0	358.0	230.2	167.8	131.0	106.7	91.7	78.7	68.6	60.6
	Internal +8*EBM	11000	>1200	958.1	410.8	262.7	191.2	149.4	121.8	104.7	89.9	78.5	69.5
	Internal +9*EBM	11000	>1200	1106.7	465.6	296.1	215.1	167.9	137.0	117.7	101.2	88.5	78.4
	Internal +10*EBM	11000	>1200	>1200	522.4	330.2	239.3	186.7	152.3	130.9	112.6	98.5	87.4
	Internal +11*EBM	11000	>1200	>1200	581.3	365.2	263.9	205.6	167.8	144.1	124.1	108.6	96.4
Internal +12*EBM	11000	>1200	>1200	642.4	401.1	288.9	224.9	183.4	157.4	135.6	118.7	105.4	

*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)
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	50A (8kVA); 70A (11kVA)
Electrical output	
Power ratings NEMA 8kVA	240/230/220V: 8000 watts 208V: 7600 watts 200V: 7200 watts
Power ratings NEMA 11kVA	200V - 240V: 11000 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 (8kVA at 220V-240V), 0.95 (8kVA at 208V), 1.0 (11kVA)
Efficiency	97% (online mode), 99% (high efficiency mode), 95.5% (battery mode)
Transfer time	0 ms

Battery	
Optional extended battery module (EBM)	9PXEBM240RTG2
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)	8kVA: Online: 815; High efficiency: 165; Battery: 1137 11kVA: Online: 1160; High efficiency: 188; Battery: 1767
Audible noise	8kVA: <36 dB; 11kVA: <55 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.