Online rack/tower UPS delivers clean and continuous power to IT equipment during power disturbances

The P90 is a true online UPS that delivers continuous, high quality AC power to servers and network equipment with no break when transferring to battery.

The P90 provides tower, rack, and wall mount options. It protects your equipment from blackouts, brown-outs, sags, surges, and noise interference. The P90 offers the lowest total cost of ownership by cutting energy costs and lowering heat output.

For maintenance bypass options, reference the XBDM at www.xpcc.com/xbdm

PRODUCT SNAPSHOT

› Available models: 1000VA, 1500VA, 2000VA, 3000VA
› Tower, wall, 2-post and 4-post rack mounting configurations available in 1U or 2U
› UL, cUL, RoHS
› 3 years electronics, 3 years battery warranty (USA and Canada)

FEATURES

Auto restart—after full battery discharge, the P90 automatically restarts when utility power returns

98% efficient operation—high efficiency ECO mode lowers energy consumption

Smart LCD display—vital monitoring and precise information from the front panel

Frequency converter—P90 can be programmed to convert from 50Hz to 60Hz or 60Hz to 50Hz

Load shedding capabilities—maximize uptime for critical loads and equipment by shedding less critical loads

Extended battery runtimes—optional matching battery modules available with 1500VA, 2000VA, and 3000VA models for extended runtimes

Hot swappable battery—easy to replace without interrupting the load

Maintenance bypass—an optional XBDM bypass module enables the P90 to be replaced or serviced without interruption of power to critical loads

$50,000 load protection policy—protection against damaged connected equipment
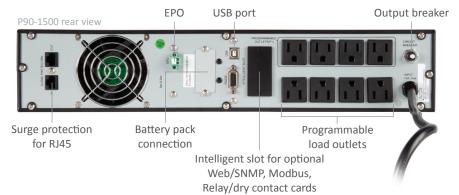
MODEL SELECTION GUIDE

For more information, visit www.xpcc.com/p90

	MODEL NUMBER	P90c-1000 available Q3 2017	P90-1000	P90-1500	P90-2000	P90-3000
CAPACITY	Power rating	1000VA (800W)	1000VA (900W)	1500VA (1350W)	2000VA (1800W)	3000VA (2700W)
INPUT	Voltage range	50–150VAC*				
	Frequency	50/60Hz auto sensing				
	Surge protection	> 800J				
OUTPUT	Voltage	120VAC	120VAC nominal (100/110/115 selectable)**			
	Waveform	Pure sine wave, zero transfer time				
	Frequency	50/60Hz ± 0.5Hz				
	THD (full load)	< 2%				
	Efficiency	98% ECO mode, 90% online mode				
	Overload capacity	≤ 130% for 2 min; ≤ 200% for 10 sec; >200% for 1 sec				
BATTERY	Battery type	Sealed, maintenance-free lead acid				
	Battery quantity & size	(4) 6V 7AH	(2) 12V 9AH	(3) 12V 9AH	(4) 12V 9AH	(6) 12V 9AH
	Typical recharge	<6 hours to 90%	< 4 hours to 90% with 1A charger current			
PHYSICAL	Dimensions (W x D x H)	17.2 x 11.8 x 1.7 in	17.2 x 15.9 x 3.5 in	17.2 x 19.9 x 3.5 in		17.2 x 26.8 x 3.5 in
	Weight	13.2 lbs	29.1 lbs	41.7 lbs	47.4 lbs	65.7 lbs
	Line cord	6 ft, 5–15P	6 ft, 5–15P	6 ft, 5–15P	6 ft, 5–20P	6 ft, L5–30P
	Receptacles	(3) NEMA 5–15R	(8) NEMA 5–15R		(8) NEMA 5–15/20R	(1) NEMA L5–30R + (4) NEMA 5–15/20R
OPTIONAL BATTERY PACKS	Model number	N/A	N/A	P90-BP36 / 36E	P90-BP48	P90-BP72
	Dimensions (W x D x H)	N/A	N/A	17.2 x 19.9 x 3.5 in 17.2 x 24.8 x 3.5 in (E)	17.2 x 19.9 x 3.5 in	17.2 x 24.6 x 3.5 in
	Weight	N/A	N/A	58.1 lbs/104.4 lbs (E)	74.6 lbs	104.4 lbs
	Battery	N/A	N/A	(6) 12V 9AH/36V (12) 12V 9AH/36V (E)	(8) 12V 9AH / 48V	(12) 12V 9AH / 72V
ENVIRONMENT	Operating temperature	32–104°F (0–40°C)				
	Audible noise	< 45dBA				
	Altitude	11,500 ft above sea level				
APPROVALS		UL, cUL, RoHS				
WARRANTY		3 years electronics, 3 years battery warranty (USA and Canada)				
COMMUNICATIONS INTERFACE		RS-232, USB, EPO, intelligent slot for optional cards (Web/SNMP, Relay/dry contact, Modbus)				
INCLUDED IN BOX		Software CD, horizontal brackets, tower pedestals, user manual				
AVAILABLE OPTIONS		5 year extended warranty, bypass distribution (XBDM), power distribution (XPDU), 4-post rail kit, 2-post shelf kit, wall mount bracket				

*Depending on load level. **P90 capacity derates 20% at 100V output voltage.*

BATTERY RUNTIMES

	Internal batteries		(1) Battery pack		(2) Battery packs	
Percentage load:	50%	100%	50%	100%	50%	100%
P90c-1000	11	3.5	N/A	N/A	N/A	N/A
P90-1000	13	4	N/A	N/A	N/A	N/A
P90-1500 (BP36)	13	4	54	22	102	42
P90-1500 (BP36E)	13	4	102	42	N/A	N/A
P90-2000 (BP48)	13	4	54	22	102	42

Maximum of two battery packs per P90-1500, P90-2000, or P90-3000 (excluding BP36E). Runtimes are shown in minutes and will vary based on battery condition, age, cycles, and ambient temperature.

P90-1500 rear view

EPO   USB port   Output breaker

Surge protection for RJ45   Battery pack connection   Programmable load outlets

Intelligent slot for optional Web/SNMP, Modbus, Relay/dry contact cards

XTREME
Power Conversion®

Protect your business.

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