

XTREME POWER CONVERSION P90L

Online UPS // 120VAC or 208/230VAC

For more information, visit
www.republicpowersystems.com/P90L



Online UPS with a powerful charger for extended battery runtimes

The P90L is a true online UPS with an internal high capacity charger for connection to matching extended battery packs or large external systems.

The P90L provides tower, rack, and wall mount options. It protects your equipment from blackouts, brownouts, sags, and surges. The P90L offers the lowest total cost of ownership by cutting energy costs and lowering heat output.

For models with internal batteries, reference the P90 at www.xpcc.com/p90

PRODUCT SNAPSHOT

- › Available models: P90L-1500, 2000, 3000
- › Tower, wall, 2-post and 4-post rack mounting configurations available
- › UL, cUL, CE, RoHS
- › 3 years electronics, 3 years battery warranty (USA and Canada)

FEATURES

0.9 output power factor—P90L 120V systems provide more real capacity for high density loads

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

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

Frequency converter—P90L can be programmed to convert from 50Hz to 60Hz or 60Hz to 50Hz

Hot swappable battery—P90L optional battery packs are easy to replace without interrupting the load

Multiple communications capability—RS-232, USB, and optional Web/SNMP, Modbus, Relay/dry contact cards

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

Extended runtimes—P90L can be connected with optional matching battery packs or large external battery systems with included battery cable kit

\$50,000 load protection policy—protection against damaged connected equipment

MODEL SELECTION GUIDE

For more information, visit:
www.republicpower systems.com/P90L

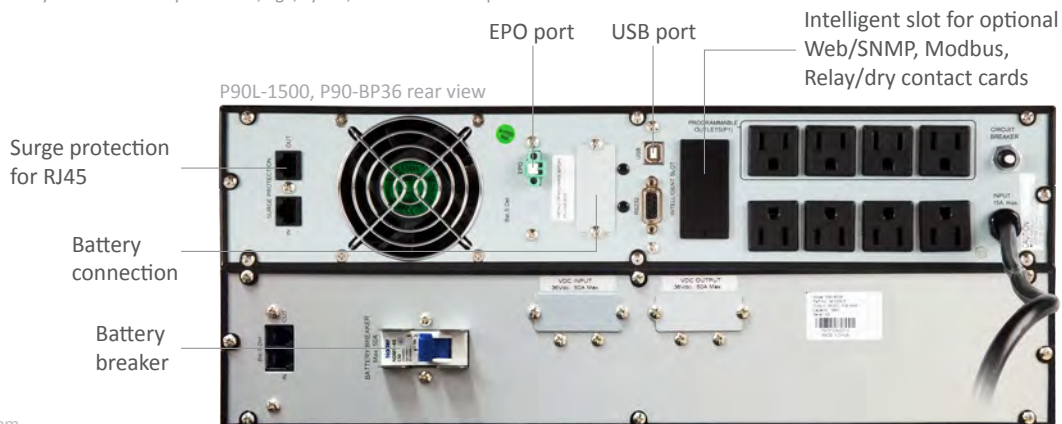
MODEL NUMBER		P90L-1500	P90L-2000	P90L-3000	P90Lg-3000
CAPACITY	AC output	1250VA (1125W)	1700VA (1530W)	2500VA (2250W)	3000VA (2400W)
	DC charging	246W	328W	493W	656W
INPUT	Voltage range	50–150VAC*			110–300VAC*
	Frequency	50/60Hz auto-sensing			
OUTPUT	Voltage	120VAC nominal (100/110/115VAC selectable)**			208/220/230/240VAC***
	Frequency	50/60Hz ± 0.5Hz			
	THD (full load)	< 2%			
	Overload capacity	125% 2 min; 150% 10 sec; > 150% 1 sec			
BATTERY CHARGER	Charger amps	6A			
	Nominal/float voltage	36/41VDC	48/55VDC	72/82VDC	
PHYSICAL	Dimensions (W x D x H)	17.2 x 18.9 x 3.5 in	17.2 x 18.9 x 3.5 in	17.2 x 25.8 x 3.5 in	
	UPS weight	33 lbs	35 lbs	47 lbs	
	Input connection	6 ft, 5–15P	6 ft, 5–20P	6 ft, L5–30P	8 ft, C19 to L6–20P
	Output connection	(8) NEMA 5–15R	(8) NEMA 5–15/20R	(1) NEMA L5–30R + (4) NEMA 5–15/20R	(1) IEC C19 + (6) IEC C13
ENVIRONMENT	Efficiency	Up to 98% ECO mode and 92% online mode (90% online mode for P90Lg-3000)			
	Operating temperature	32–104°F (0–40°C)			
	Audible noise	< 50dBA			
	Altitude	11,500 ft above sea level			
OPTIONAL BATTERY PACKS	Model number	P90-BP36 / 36E	P90-BP48	P90-BP72	
	Dimensions (W x D x H)	17.2 x 18.9 x 3.5 in 17.2 x 23.6 x 3.5 in (E)	17.2 x 18.9 x 3.5 in	17.2 x 23.6 x 3.5 in	
	BP weight	58.1 lbs / 104.4 lbs (E)	74.6 lbs	104.4 lbs	
	Battery	(6) 12V 9AH / 36V (12) 12V 9AH / 36V (E)	(8) 12V 9AH / 48V	(12) 12V 9AH / 72V	
APPROVALS		UL, cUL, RoHS			CE, 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, 16 in battery cable kit			
AVAILABLE OPTIONS		5 year extended warranty, bypass distribution (XBDM), power distribution (XPDU), 4-post rail kit, 2-post shelf kit			

Rack depth is front bracket to unit panel. Add 1" for depth including front bezel. *Depending on load level; **P90L capacity derates 20% at 100V output voltage; ***P90Lg-3000 capacity derates 20% at 208VAC output voltage.

BATTERY RUNTIMES

	UPS + (1) BP		UPS + (2) BP		UPS + (3) BP		UPS + (4) BP		UPS + (5) BP		UPS + (6) BP		UPS + (7) BP		UPS + (8) BP	
Percentage load:	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%
P90L-1500 (BP36)	26	15	63	36	105	61	140	90	183	115	228	136	274	164	322	193
P90L-1500 (BP36E)	63	36	140	90	228	136	322	193	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
P90L-2000 (BP48)	25	14	61	35	102	60	137	88	179	113	223	133	268	160	314	188
P90L-3000 (BP72)	26	15	63	36	105	61	140	90	183	115	228	136	274	164	322	193
P90Lg-3000 (BP72)	23	13	58	33	97	56	130	84	169	107	211	128	254	152	298	178

Runtimes are shown in minutes and will vary based on battery condition, age, cycles, and ambient temperature.



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Power Conversion®

Protect your business.

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