

XTREME POWER CONVERSION P90HT

Online UPS // 120VAC or 208/230VAC

For more product information:

www.republicpowersystems.com/P90HT



Online UPS for harsh temperature environments

The P90HT is a true online UPS with an internal high capacity charger for connection to matching extended battery packs or large external systems.

The P90HT provides both tower and rack mount form factors. It protects your equipment from blackouts, brownouts, sags, and surges. The P90HT offers the lowest total cost of ownership by cutting energy costs and lowering heat output.

PRODUCT SNAPSHOT

- › Available models: P90HT-1500, 2000, 3000
- › 98% efficiency in ECO mode
- › Tower, 2-post, and 4-post rack mounting configurations available
- › UL, cUL, CE, RoHS

FEATURES

12 year battery service life—at 25°C ambient temperatures conditions

0.9 output power factor—P90HT 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—P90HT can be programmed to convert from 50Hz to 60Hz or 60Hz to 50Hz

Hot swappable battery—P90HT 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—P90HT can be connected with optional matching battery packs or large external battery systems with included battery cable kit

XTREME
Power Conversion®

Protect your business.

MODEL SELECTION GUIDE

www.republicpowersystems.com/P90HT

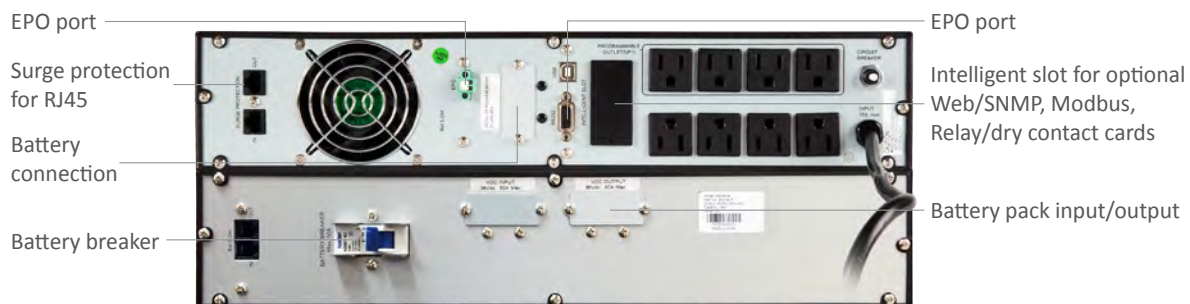
MODEL NUMBER		P90HT-1500	P90HT-2000	P90HT-3000	P90HTg-3000
CAPACITY	AC output	1250VA (1125W)	1700VA (1530W)	2500VA (2250W)	3000VA (2400W)
	DC charging	246W	328W	493W	656W
INPUT	Voltage range	50–150VAC*			110–300VAC*
	Frequency	50/60Hz auto-sensing			
OUTPUT	Voltage	120VAC nominal (100/110/115VAC selectable)**			208/220/230/240VAC**
	Frequency	50/60Hz ± 0.5Hz			
	THD (full load)	< 2%			
	Overload capacity	125% 2 min; 150% 10 sec; > 150% 1 sec			
	Crest factor	5:1			
BATTERY CHARGER	Charger amps	6A			
	Nominal/float voltage	36/41VDC	48/55VDC	72/82VDC	
PHYSICAL	UPS 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 23.6 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 P90HTg-3000)			
	Operating temperature	-4–122°F (-20–50°C)***			
	Audible noise	< 50dBA			
	Altitude	11,500 ft above sea level***			
OPTIONAL BATTERY PACKS	Model number	P90-BP36HT	P90-BP48HT	P90-BP72HT	
	BP 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 23.6 x 3.5 in	
	BP weight	55.2 lbs	70.9 lbs	99.2 lbs	
	Battery quantity/type	(6) 12V7.2HT/36V	(8) 12V7.2HT/48V	(12) 12V7.2HT/72V	
APPROVALS		UL, cUL, RoHS			CE, RoHS
WARRANTY		3 year electronics, 3 year 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		Bypass distribution (XBDM), power distribution (XPDU), 4-post rail kit, 2-post shelf kit			

*Depending on load level; **P90HT capacity derates 20% at 100V output voltage and P90HTg-3000 capacity derates 20% at 208VAC output voltage; ***UPS capacity derates above 11,500 ft above sea level and above 40°C and battery life decreases above 25°C

BATTERY RUNTIMES

	UPS + 1BP		UPS + 2BP	
Load percentage	50%	100%	50%	100%
P90HT-1500	20	8	48	20
P90HT-2000	20	8	48	20
P90HT-3000	21	9	49	21
P90HTg-3000	21	9	49	21

(Runtimes are shown in minutes at 25°C and will vary based on battery age and site conditions. For extended runtimes and detailed requirements, please contact sales@xpcc.com)



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Protect your business.

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