

XTREME POWER CONVERSION P91 1-3kVA

Lead Acid Battery // Online UPS // 120VAC

For more information, visit www.xpcc.com/p91_1-3



Premium Power Protection for Mission Critical Applications

The Xtreme Power P91 UPS is an online double conversion UPS solution which offers power conditioning and outage protection in a compact and flexible rack/tower form factor.

With near unity power factor operation (2U units), the Xtreme Power P91 provides maximum usable power to your equipment. Xtreme Power protects your business with a standard three year or optional five year product warranty.

The P91 UPS provides scalable battery capacity when extended protection is required. The powerful charger can provide up to 8 amps of current to quickly recharge up to 7 matching battery packs.

For 230V online UPS models, visit www.xpcc.com/p91g_1-3

PRODUCT SNAPSHOT

- › Available models: 1000VA(1U/2U), 1500VA, 2000VA, 3000VA
- › Tower, wall, 2-post, and 4-post rack mounting configurations
- › Hot swappable battery design
- › UL, cUL, RoHS, FCC A, FCC B, TAA compliant (UPS only)
- › \$50,000 load protection policy
- › 3 years warranty (USA and Canada)

FEATURES

High output power factor—P91 provides near unity output power factor rating (2U units)

Charging current—1/2/4/6/8A, adjustable from LCD display. Optimize charging for most battery solutions (2U units only)

Maintenance bypass—an optional XBDM bypass module enables the P91 to be replaced or serviced without interruption of power to critical loads

Fast Recharge—up to 95% in just 3 hours (2U unit)

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

Efficient operation—up to 98% ECO mode efficiency lowers energy consumption

Programmable receptacles—remote on/off control (2U only)

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

XTREME
Power Conversion®

Protect your business.

MODEL SELECTION GUIDE

For more information, visit www.xpcc.com/p91_1-3

MODEL NUMBER		P91c-1000	P91-1000	P91-1500	P91-2000	P91-3000
CAPACITY	Power rating	1000VA (800W)	1000VA (1000W)	1500VA (1450W)	2000VA (1930W)	3000VA (2880W)
INPUT	Voltage/frequency	55–150VAC* / 50/60Hz auto-sensing				
OUTPUT	Voltage	120VAC	120VAC nominal (100/110/115/127 selectable)***			
	Waveform	Pure sine wave, 1U: <=3% THD (linear load), <=5% THD (non-linear load); 2U: <=2% THD (linear load), <=4 THD (non-linear load)				
	Frequency	50/60Hz ± 0.3Hz	50/60Hz ± 0.1Hz			
	Efficiency	Up to 98%				
	Overload capacity	1U online mode: > 105% & ≤ 130% for 2 min; > 130% & ≤ 200% for 10 sec; >200% for 250 ms 2U online mode: > 110% & ≤ 130% for 5 min; > 130% & ≤ 140% for 30 sec; >140% for 1.5 sec				
BATTERY	Battery chemistry	Sealed, maintenance-free lead acid				
	Battery size	(4) 6V 290W	(2) 12V 9AH	(3) 12V 9AH	(4) 12V 9AH	(6) 12V 9AH
	Typical recharge / charger	< 9 hours to 90%	< 3 hours to 95% with 2A charger current			
	Charging current	1A	2A default, max 8A adjustable			
PHYSICAL	Dimensions (W x D x H)**	17.2 x 17.8 x 1.7 in	17.2 x 15.1 x 3.5 in		17.2 x 19 x 3.5 in	17.2 x 23.8 x 3.5 in
	Weight	28 lbs	25.5 lbs	34.2 lbs	43 lbs	60.6 lbs
	Line cord	C14 inlet, 5ft 5-15P to C13 line cord	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	L5–30R + (6) 5–15/20R
ENVIRONMENT	Operating temperature	32–104°F (0–40°C)				
	Altitude	11,500 ft above sea level				
APPROVALS	UL, cUL, RoHS, FCC Class B (1000 (2U), 1500VA), FCC Class A (1000 (1U), 2000, 3000VA), TAA compliant (UPS only)					
WARRANTY	3 years electronics, 3 years battery warranty (USA and Canada)					
COMMUNICATIONS INTERFACE	RS-232(2U), USB, EPO, intelligent slot for optional cards (Web/SNMP, Relay/dry contact, Modbus)					
INCLUDED IN BOX	ViewPower software, front brackets, tower pedestals, user manual					
AVAILABLE OPTIONS	Bypass distribution (XBDM), power distribution (XPDU), 4-post rail kit, 2-post shelf kit, wall mount bracket (2U units)					

*Depending on load level. **Rack depth is front bracket to unit panel. Add 1" for depth including front bezel. ***Capacities are based on highest selectable voltage. Some models derate at lower voltages

BATTERY RUNTIMES

	Internal batteries		External Battery Packs													
	50%	100%	1		2		3		4		5		6		7	
Percentage load:	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%
P91c-1000	20	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
P91-1000	6	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
P91-1500 (BP36)	10	3	42	17	84	33	120	51	157	72	199	93	244	112	289	128
P91-1500 (BP36E)	10	3	84	33	157	72	244	112	339	146	N/A	N/A	N/A	N/A	N/A	N/A
P91-2000 (BP48)	10	3	42	17	84	33	121	51	157	72	200	93	244	112	290	128
P91-3000 (BP72)	10	3	42	17	84	33	121	52	158	73	201	94	246	112	292	129

Maximum of seven battery packs per P91-1500, P91-2000, or P91-3000 (excluding BP36E). Runtimes are shown in minutes and will vary based on battery condition, age, cycles, and ambient temperature.



P91c-1000 rear view

Intelligent slot for optional communication card

P91-1500 rear view



Programable receptacle group

Surge protection for RJ45

EPO

External battery connector

X-TREME
Power Conversion®

Protect your business.

XPC USA / Denver, CO / sales@xpcc.com

XPC EMEA / Rotterdam, NL / emea@xpcc.com

www.xpcc.com

©2020 Xtreme Power Conversion Corporation. All Rights Reserved. P911-3.01U (Rev 4/6/20)