

# P91 1-3kVA

Lead Acid Battery // Online UPS // 120VAC



## 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.



### 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

**Auto restart**—after full battery discharge, the P91 automatically restarts when utility power returns

**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

# MODEL SELECTION GUIDE

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

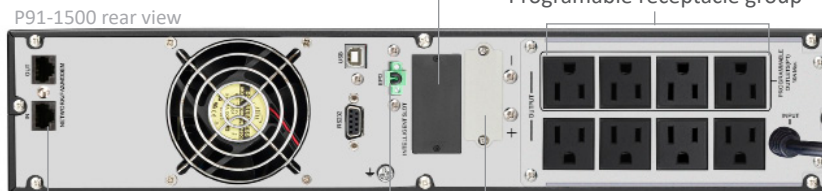
	Internal bat-teries		External Battery Packs													
	50%	100%	1		2		3		4		5		6		7	
Percentage load:	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%
P91c-1000	20	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
P91-1000	6	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	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

Surge protection for RJ45

EPO

External battery connector

Programable receptacle group