

# XTREME POWER CONVERSION P91g 1-3kVA

Lead Acid Battery // Online UPS // 208/230VAC

For more information, visit [www.xpcc.com/p91g\\_1-3](http://www.xpcc.com/p91g_1-3)



## Premium Power Protection for Mission Critical Applications

The Xtreme Power P91g 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 unity power factor operation (2U units), the Xtreme Power P91g provides maximum usable power to your equipment. Xtreme Power protects your business with a standard, three-year or optional five year product warranty.

The P91g UPS provides scalable battery capacity when extended protection is required. The powerful charger can provide up to 12 amps of current to quickly recharge up to 8 matching battery packs.

For 120V online UPS models, visit  
[www.xpcc.com/p91\\_1-3](http://www.xpcc.com/p91_1-3)

### PRODUCT SNAPSHOT

- › Available models: 1000VA, 1500VA, 2000VA, 3000VA
- › Tower, wall, 2-post, and 4-post rack mounting configurations
- › Hot swappable battery design
- › CE, RoHS, TAA compliant (UPS only)
- › 3 years electronics, 3 years battery warranty (USA and Canada)

### FEATURES

**High output power factor**—P91g provides unity output power factor rating (2U units)

**Charging current**—1/2/4/6/8/12A, adjustable from LCD display. Optimize charging for most battery solutions (2U units only)

**Maintenance bypass**—an optional XBDM bypass module enables the P91g to be replaced or serviced without interruption of power to critical loads

**Auto restart**—after full battery discharge, the P91g automatically restarts when utility power returns

**Multiple communications capability**—RS-232 (2U only), USB, and optional Web/SNMP, Modbus, Relay/dry contact cards

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

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

# MODEL SELECTION GUIDE

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MODEL NUMBER		P91gc-1000		P91g-1500		P91g-2000		P91g-3000							
CAPACITY	Power rating	1000VA (800W)		1500VA (1500W)		2000VA (2000W)		3000VA (3000W)							
INPUT	Voltage/frequency	208/220/230/240VAC* / 50/60Hz auto-sensing													
OUTPUT	Voltage	230VAC		230VAC nominal (200/208/220/230/240VAC 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% ECO mode or 94% online mode													
	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		(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, adjustable Max 12A (1.5 & 2k)/8A (3k)											
	Charging voltage	27.4 VDC		41.1 VDC		54.8VDC		82.1VDC							
PHYSICAL	Dimensions (W x D x H)**	17.2 x 17.8 x 1.7 in (437 x 452 x 43 mm)		17.2 x 15.1 x 3.5 in (437 x 384 x 89 mm)		17.2 x 19 x 3.5 in (437 x 482 x 89 mm)		17.2 x 23.8 x 3.5 in (437 x 605 x 89 mm)							
	Weight	28 lbs (12.7 kg)		34.2 lbs (15.5 kg)		43 lbs (19.5 kg)		60.6 lbs (27.5 kg)							
	Line cord	C14 inlet, 8 ft (2.4 m) L6-20P to C13 line cord		C20 inlet, 8 ft (2.4 m) L6-20P to C19 line cord											
	Receptacles	(3) NEMA C13		(8) IEC C13				(1) IEC C19 + (8) IEC C13							
	Optional receptacles			L6-20R, 6-20, 6-15				L6-30R, L6-20R, 6-20, 6-15							
ENVIRONMENT	Operating temperature	32–104°F (0–40°C)													
	Altitude	6500 ft (1980 m)													
APPROVALS		CE, RoHS, TAA compliant (UPS only)													
WARRANTY		3 years electronics, 3 years battery warranty (USA and Canada)													
COMMUNICATIONS INTERFACE		RS-232 (2U only), USB, EPO, intelligent slot for optional cards (Web/SNMP, Relay/dry contact, Modbus)													
INCLUDED IN BOX		ViewPower software, horizontal 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) Optional L6-30R, L6-20R, 6-20, 6-15													

\*Depending on load level. \*\*Rack depth is front bracket to unit panel. Add 25mm for depth including front bezel. \*\*\*Capacity derates to 90% at 208V output

## BATTERY RUNTIMES

	Internal batteries		External Battery Packs															
			1		2		3		4		5		6		7		8	
Percentage load:	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%
P91gc-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	N/A	N/A
P91g-1500 (BP36)	10	3	42	17	84	33	120	51	157	72	199	93	244	112	289	128	339	146
P91g-1500 (BP36E)	10	3	84	33	157	72	244	112	339	146	449	189	523	233	N/A	N/A	N/A	N/A
P91g-2000 (BP48)	10	3	42	17	84	33	121	51	157	72	200	93	244	112	290	128	340	147
P91g-3000 (BP72)	10	3	42	17	84	33	121	52	158	73	201	94	246	112	292	129	343	148

Maximum of eight battery packs per P91g-1500, P91g-2000, or P91g-3000 (excluding BP36E). Runtimes are shown in minutes and will vary based on battery condition, age, cycles, and ambient temperature.

