

XTREME POWER CONVERSION P91g Li 1.5-3kVA

Lithium-Ion // Online UPS // 230VAC



High Performance Online UPS for Critical Network Applications

Lithium-ion battery technology provides up to 10 years of battery life and reduced cost of ownership.

When compared to typical lead acid batteries, lithium-ion batteries provide more than twice the life, higher temperature tolerance, longer runtime, and faster recharge. Online double conversion technology makes P91g Li UPS ideal for protection of network, server, edge and distributed IT applications.

P91g Li UPS models include redundant Battery Management Systems (BMS) insuring cell voltage balancing, current sharing and protection for over-charge and over-discharge

For 120V options, reference the P91 Li www.xpcc.com/p91g-li-1-3

PRODUCT SNAPSHOT

- › Available models: 1500VA/1350W, 2000VA/1800W, 3000VA/2700W
- › Tower, wall, 2-post, and 4-post rack mounting configurations
- › Easy to replace battery design
- › CE, RoHS, UN38.3 for battery transportation
- › \$50,000 load protection policy
- › 6 years electronics, 6 years battery warranty (USA and Canada)

FEATURES

Lithium-ion Batteries —last up to 10 years or 2000 discharge cycles

More runtime & faster recharge —Internal full load runtimes up to 14 minute and recharge to 90% in just 1.5 hours

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

Charging current—Up to 8A, adjustable from LCD display

Redundant BMS—dual redundant Battery Management Systems insuring cell voltage balancing, current sharing, and protection from over-charge/discharge

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

MODEL SELECTION GUIDE

MODEL NUMBER		P91g-1.5kLi	P91g-2kLi	P91g-3kLi
CAPACITY	Power rating	1500VA (1350W)	2000VA (1800W)	3000VA (2700W)
INPUT	Voltage/frequency	110-300 VAC* / 50/60Hz auto-sensing		
OUTPUT	Voltage	200**/208**/220/230/240 Vac selectable		
	Waveform	<=2% THD (linear load), <=4% THD (non-linear load)		
	Frequency	50/60Hz +/-0.1Hz		
	Efficiency	Up to 98% efficiency		
	Overload capacity	110% & ≤ 130% for 5 min; > 130% & ≤140% for 30 sec; >140% for 1.5 sec		
BATTERY	Cell type	LFP26650 2600 mAh		
	Cell configuration	15S2P	15S2P x2	24S1P x 3
	Charger voltage	52.5VDC		84VDC
	Charger current	1/2/4/6/8A (max.), adjustable through LCD		
	Recharge time	1.5 hours to 90% charge		
PHYSICAL	Dimensions (W x D x H)***	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	25.6 lbs (11.5 kg)	33.5 lbs (15 kg)	45.2 lbs (20.5 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	(8) IEC C13		(1) IEC C19 + (8) IEC C13
ENVIRONMENT	Operating temperature	32–104°F (0–40°C)		
	Altitude	11,500 ft (3505 m) above sea level		
APPROVALS	CE, RoHS, battery packs comply to UL1973, UN38.3 for battery transportation			
WARRANTY	6 years electronics, 6 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	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			

*Depending on load level. **Derate capacity to 80% when the output voltage is adjusted to 200VAC/208VAC. ***Rack depth is front bracket to unit panel. Add 1" for depth including front bezel.

BATTERY RUNTIMES

Percentage load:	Internal batteries									
	10%	20%	30%	40%	50%	60%	70	80%	90%	100%
P91g-1.5kLi	111	54	34	25	19	16	13	11	9	8
P91g-2kLi	163	79	51	38	30	24	21	18	16	14
P91g-3kLi	127	62	40	29	23	19	16	14	12	11

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



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