XTREME POWER CONVERSION **P91 Li 1-3kVA**

Lithium-Ion // Online UPS // 120VAC



High performance online UPS with up to 15-year battery lifespan

The P91 Lithium-Ion UPS combines advanced online double conversion protection with long-life lithium iron phosphate ($LiFePO_4$) batteries. $LiFePO_4$ technology delivers up to 15 years of battery life and up to four times longer life than lead acid, eliminating maintenance and replacement cycles.

Compared to lead acid systems, it offers higher temperature tolerance, longer internal runtimes, and faster recharge. The P91 Li provides the cleanest power for demanding applications including edge computing, point of sale, wall mount racks, and light industrial environments.

For P91 1-3kVA lead acid UPS, reference the P91 www.xpcc.com/p91_1-3/

PRODUCT SNAPSHOT

- Available models: 1000VA, 1500VA, 2000VA, 3000VA
- Tower, wall, 2-post, and 4-post rack mounting configurations
- UL, cUL, RoHS, FCC A, UN38.3, TAA compliant
- Hot swappable internal lithium-ion battery pack
- $50,000 load protection policy

FEATURES

6 Year Full Warranty — industry leading coverage for both lithium batteries and UPS electronics.

Online Double Conversion — most robust protection of mission-critical and light industrial applications

Longer runtimes — Internal runtimes up to 5 times longer than lead-acid UPS

Longer lifespan — Up to 3000 to 5000 discharge cycles. 10 times more than lead-acid

Short-Depth 1 kVA Model — the P91-1kLi is just 10.6" deep, for shallow rack mounting

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

Lower Weight — 30% less than typical lead acid UPS

Battery Management System — provides over voltage, over current and over temperature protection

50 °C (122 °F) Operation — rated for high-temperature environments. Derates above 40 °C (104°F)

Isolation option—add an XPD-IT isolation transformer PDU (non-TAA) downstream where the load is sensitive to common mode noise.

TAA

XTREME Power Conversion®

Protect your business.

MODEL SELECTION GUIDE

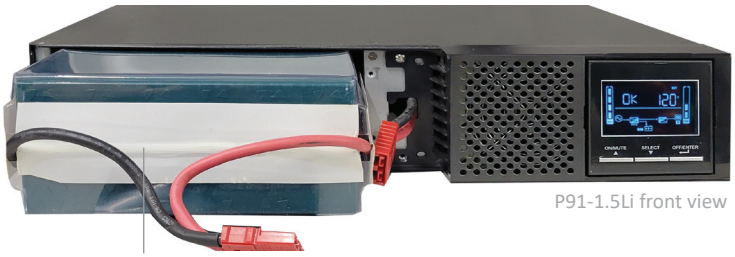
	MODEL NUMBER	P91-1kLi	P91-1.5kLi	P91-2kLi	P91-3kLi
CAPACITY	Power rating	1000VA (900W)	1500VA (1350W)	2000VA (1800W)	3000VA (2700W)
INPUT	Voltage/frequency	55–150VAC* / 50/60Hz auto-sensing			
OUTPUT	Voltage	100**/110/115/120/127 VAC selectable			
	Waveform	Pure sine wave: <=2% THD (linear load), <=4% THD (non-linear load			
	Frequency	50/60Hz ± 0.1Hz			
	Efficiency	Up to 98% ECO mode or 94% online mode			
	Overload capacity	Online mode: 110% & ≤ 130% for 5 min; > 130% & ≤140% for 30 sec; >140% for 1.5 sec			
BATTERY	Cell type	LFP256000	LFP26650 2600 mAh		
	Cell configuration	8S2P	15S2P	15S2P x2	24S1P x 3
	Charger voltage	25.6VDC	52.5VDC		84VDC
	Charger current	1.5A	2/4/6/8A (4A default), adjustable through LCD		
	Recharge time	3 hours	1.5 hours to 90% charge		
PHYSICAL	Dimensions (W x D x H)***	17.2 x 10.6 x 3.4	17.2 x 15.1 x 3.4	17.2 x 19 x 3.4	17.2 x 23.8 x 3.4
	Weight (lbs)	23.9	25.6	33.5	45.2
	Line cord	6 ft, 5–15P	6 ft, 5–15P	6 ft, 5–20P	6 ft, L5–30P
	Receptacles	(8) NEMA 5-15R	(8) NEMA 5-15R	(8) NEMA 5–15/20R	L5–30R+(6)5–15/20R
ENVIRONMENT	Operating temperature	32–122°F (0–50°C)**** with derating above 104°F (40°C)			
	Altitude	6,500 ft above sea level			
APPROVALS		UL, cUL, RoHS, FCC Class A, battery packs comply to UL1973, UN38.3, TAA compliant			
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		Switched, metered-by-outlet power distribution (SPDU), bypass distribution (XBDM), isolation transformer PDU (XPD-IT, non-TAA), 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 100VAC. ***Rack depth is front bracket to unit panel. Add 1" for depth including front bezel. ** 2-year warranty for installations where the ambient temperature exceeds 40°C (104°F) and is less than 50°C (122°F)*

BATTERY RUNTIMES

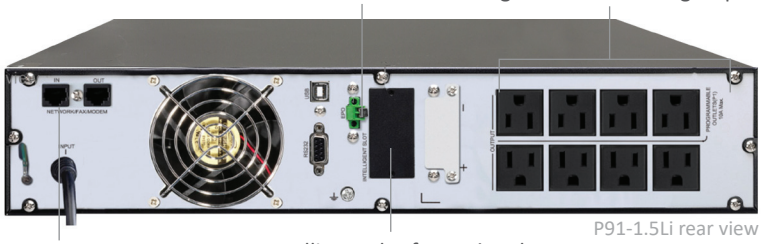
Model	100VA 90W	150VA 135W	200VA 180W	300VA 270W	400VA 360W	600VA 540W	800VA 720W	1000VA 900W	1200VA 1080W	1400VA 1260W	1500VA 1350W	1600VA 1440W	1800VA 1620W	2000VA 1800W	2333VA 2100W	2666VA 2400W	3000VA 2700W
P91-1kLi	67	56	44	28	20	13	9	7	—	—	—	—	—	—	—	—	—
P91-1.5kLi	—	101	77	49	35	22	16	13	10	8	8	—	—	—	—	—	—
P91-2kLi	—	—	148	98	72	47	34	27	22	19	18	16	14	13	—	—	—
P91-3kLi	—	—	—	115	87	56	41	32	27	23	21	20	17	15	13	11	10

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



P91-1.5Li front view

Hot swappable battery tray



P91-1.5Li rear view

Protect your business.

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www.xpcc.com

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