

XTREME POWER CONVERSION P91L 3-5kW

Sodium-Ion Online UPS // 120VAC or 208/230VAC

For more information, visit
www.xpcc.com/P91L_3-5kW



Prussian blue battery technology delivers high power, long service life, and industry leading safety

Natron's patented Prussian blue electrodes store and transfer sodium-ions faster, more often, and with lower internal resistance than any other commercial battery. With zero strain during charge / discharge, 10x faster cycling, and an over 50,000 cycle-life Natron's sodium-ion batteries represent the future of the most demanding UPS applications.

Combine this game-changing battery technology with the P91L online double conversion UPS for the cleanest power in the most challenging conditions including edge computing, point of sale, and industrial.

PRODUCT SNAPSHOT

- › Available models: 3kVA/3kW 120V and 5kVA/5kW 208/230V
- › Parallel applications up to 45kW
- › Battery/Cells: UL 9540A and UL 1973
- › CE, RoHS approved
- › Standard Input and Output Terminal Blocks
- › 5 years electronics, 3 years battery warranty (USA and Canada)

FEATURES

Longer Cycle Life —over 50,000 full discharge cycles

Parallel UPS operation — up to nine UPS units can be paralleled for capacity up to 45kVA/45kW

Isolation transformer— optional transformer provides 240/120 output (5kW)

Powerful Charger — 60 amp charger provides fast recharge of sodium-ion batteries

Sustainable Battery —No lead, acid, rare earth metals or conflict minerals

Wide Temperature Range —up to 50C for both UPS & Battery

\$50,000 load protection policy—protection against damaged connected equipment

Rapid Recharge —from zero to 99% in just 8 minutes

MODEL SELECTION GUIDE

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MODEL NUMBER		P91L-3K	P91Lg-5K
CAPACITY	Power rating	3kVA (3kW)	5kVA (5kW)
INPUT	Voltage / Frequency	55–150VAC* / 50/60Hz auto-sensing	110–300VAC* / 50/60Hz
OUTPUT	Voltage / Frequency	120VAC nominal (100/110/115/127 selectable)	208/220/230/240VAC / 50/60Hz ± 4Hz
	Overload capacity	110% 10 min; 130% 1 min; > 130% 1 sec	
	Efficiency	Up to 94% online mode or 99% ECO mode	
UPS PHYSICAL	Dimensions/Weight	17.2W x 16.5D x 3.75H in / 29 lbs	17.2W x 16.5D x 5.2H in / 33 lbs
BATTERY CHARGER	Charger amps	0-60A (selectable)	
	Nominal/range	48Vdc / 40Vdc to 60Vdc	
SODIUM-ION BATTERY PACKS	Models	BlueTray 4000	
	Dimensions/Weight	17W x 24D x 1.73H in / 49 lbs	
	Specifications	Prussian blue sodium-ion 1U rack mount battery pack	
	Charge Current	Maximum 72A	
	Discharge Current	Maximum 142A	
	Communication	RS485 port (RJ45), extension port (RJ11)	
	Protection	BMS, breaker	
SODIUM-ION BATTERY PACK ENVIRONMENTAL	Charge Temperature	-4F to 122F (-20C to 50C)"	
	Discharge Temperature	-4F to 122F (-20C to 50C)	
ENVIRONMENTAL	Storage Temperature	Recommended 68°F to 77°F (20°C-25°C) for up to 18 months	
UPS MODULE ENVIRONMENTAL	Operating temperature	32–131°F (0–55°C)	
	Audible noise	< 55dBA	
	Altitude	11,500 ft above sea level	
APPROVALS	Battery/Cells: UL 9540A and UL 1973 // UPS: RoHS, CE (non UL)		
WARRANTY	5 years electronics and 3 years batteries (USA and Canada)		
COMMUNICATIONS INTERFACE	RS-232, USB, EPO, intelligent slot for optional cards (Web/SNMP, relay/dry contact, modbus)		
INCLUDED IN BOX	Software CD, horizontal brackets, USB cable		
AVAILABLE OPTIONS	4-post rail kit, 2-post shelf kit, isolation transformer, line cord set		

*Depending on load level.

BATTERY PACK DATA & RUNTIMES (25°C)

Load (watts):	500	1000	2000	3000	4000	5000
1 BlueTray 4000	28 minutes	12 minutes	5 minutes	3 minutes	2 minutes	>1 minute
2 Blue Tray 4000	60 minutes	28 minutes	12 minutes	8 minutes	5 minutes	4 minutes

For longer runtimes please contact sales@xpcc.com or visit www.xpcc.com/selector/



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