

XTREME POWER CONVERSION J90i 1-3kVA

Lithium-Ion // Online UPS // 208/230VAC



Half the Size and Weight. More Power Protection. 15-Year Battery Life.

The J90i is a true online 1U UPS that delivers continuous high-quality AC power for servers, network gear, and critical IT equipment. Its Lithium Iron Phosphate (LFP) battery provides up to 15 years of life, up to five times longer than lead acid, with extended runtime and superior high-temperature performance. The TAA-compliant design makes it suitable for U.S. government and commercial deployments while reducing total cost of ownership.

Switched receptacles enable remote reboot of individual outlets, eliminating on-site service calls. Its compact short-depth design makes the J90i ideal for edge environments such as retail, kiosks, ATMs, branch offices, healthcare, light manufacturing, and financial institutions where reliable power is essential.

For 120V 1U lithium UPS options, reference the J90 at www.xpcc.com/j90

PRODUCT SNAPSHOT

- › Available models: 1000VA, 1500VA, 2000VA, 3000VA
- › True double conversion online topology
- › Individual receptacle on/off control via SNMP
- › Lithium Iron Phosphate (LFP) provides up to 15-year battery life
- › 6 years electronics, 6 years battery warranty (USA and Canada)

FEATURES

Switched Receptacles — Remotely control individual outlets via Web/SNMP to power cycle unresponsive equipment.

High-Temperature Performance — Operates reliably up to 50 °C (122 °F) with no derating for demanding environments.

Enhanced Safety & Reliability — Advanced LiFePO₄ chemistry and integrated BMS ensure long battery life and protection.

Extended Runtime (2 kVA & 3 kVA Models) — Add the J90-EBP48 external battery pack for significantly longer backup time.

Remote ON/OFF Control — Enables UPS startup and shutdown using remote contacts.

Smart LCD Display — Provides real-time load, battery, and system data from the front panel.

Comprehensive Coverage — Includes a \$50,000 load protection policy for connected equipment.

1U Rackmount or Wall Mount — Compact 1U design installs easily with optional rail kit or wall brackets for IT and AV use.

TAA Compliant — Qualified for U.S. government and public sector procurement

MODEL SELECTION GUIDE

MODEL NUMBER		J90i-1KLiD	J90i-1.5KLiD	J90i-2KLiD	J90i-3KLiD
CAPACITY	Power rating	1000VA (900W)	1500VA (1350W)	2000VA (1800W)	3000VA (2700W)
INPUT	Voltage/frequency	208*/220/230/240 VAC, 40-70Hz			
	Line cord	C14 Inlet		C20 Inlet	
	Power factor	≥0.99 @ Nominal voltage (full load)			
OUTPUT	Voltage	208/220/230/240VAC			
	Waveform	Pure sine wave: ≤3% THD (linear load), ≤5% THD (non-linear load)			
	Receptacles (all switchable)	(4) IEC C13			(3) C13 and (1) C19
	Frequency	50/60Hz ± 0.5%			
	Efficiency	Up to 88%	Up to 91%	Up to 92%	Up to 94.5%
	Overload capacity	≤130% for 2 min; 130% < Load < 200% for 10 sec; >200% for 250ms			
UPS PHYSICAL	Dimensions (W x D x H)	17.2 x 18.8 x 1.7 in (438 x 477 x 44 mm)	17.2 x 20.1 x 1.7 in (438 x 477 x 44 mm)	17.2 x 22.8 x 1.7 in (438 x 477 x 44 mm)	
	Weight	26.8 lbs (12.2 kg)	27.7 lbs (12.6 kg)	34.1 lbs (15.5 kg)	35.2 lbs (16 kg)
INTERNAL UPS BATTERY	Battery type	Lithium Iron Phosphate (LFP)			
	Battery quantity & size	(1) 25.6V /6Ah	(1) 38.4V/ 6Ah	(1) 48V / 5Ah	
	Typical recharge	4 hours			1 hour
EBP48 BATTERY PHYSICAL	Dimensions (W x D x H)	17.2 x 22.8 x 1.7 in (438 x 580 x 44 mm)			
	Weight	30.8 lbs (14 kg)			
ENVIRONMENT	Operating temperature	32–122°F (0–50°C)*			
	Altitude	6500 ft (2000 m) above sea level			
APPROVALS		UN38.3 , UL, cUL, RoHS, FCC A, TAA Compliant			
WARRANTY		6 years electronics, 6 years battery warranty (USA and Canada)**			
COMMUNICATIONS INTERFACE		Intelligent slot for optional cards (Web/SNMP, Relay/dry contact, Modbus)			
INCLUDED IN BOX		ViewPower software, wall mount brackets, user manual			
AVAILABLE OPTIONS		4-post rail kit, 2-post shelf kit			

* See J90 User Manual for capacity deration at 208 VAC**2-year warranty for installations where the ambient temperature exceeds 40°C (104°F) and is less than 50°C (122°F)

BATTERY RUNTIMES

	Internal battery		UPS+1EBP48		UPS+2EBP48		UPS+3EBP48		UPS+4EBP48		UPS+5EBP48		UPS+6EBP48	
Percentage load:	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%
J90i-1k	13	6.5	-	-	-	-	-	-	-	-	-	-	-	-
J90i-1.5k	14	7	-	-	-	-	-	-	-	-	-	-	-	-
J90i-2k	12	6	60	30	108	54	156	78	204	102	252	126	300	150
J90i-3k	8	4	40	20	72	36	104	52	136	68	168	84	200	100

