

# XTREME POWER CONVERSION J90

Online UPS // 120VAC



## Compact Online UPS with Switched Receptacles, LFP Batteries, and High-Temperature Reliability

The J90 is a true online 1U UPS designed to provide continuous, high-quality AC power to servers and network equipment. Its advanced lithium iron phosphate (LFP) battery technology offers 2–3 times the lifespan, high temperature resilience, and double the runtime compared to traditional lead-acid batteries, reducing total ownership costs.

With switched receptacles, the J90 enables remote power control of individual UPS outlets, allowing users to reboot unresponsive IT equipment without needing on-site access.

The J90 UPS's compact, versatile design supports various applications, from small edge environments like retail, kiosks, and ATMs to larger setups in branch offices, financial institutions, retail operations, light manufacturing, and healthcare facilities such as hospitals, labs, and remote clinics. The J90 excels wherever reliable power is essential.

For 230V 1U lithium UPS options, reference the J90i at [www.xpcc.com/j90i](http://www.xpcc.com/j90i)

### PRODUCT SNAPSHOT

- › Available models: 1000VA, 1500VA
- › True double conversion online topology
- › Individual receptacle on/off control via SNMP
- › Lithium Iron Phosphate (LFP) provides up to 10-year battery life
- › 6 years electronics, 6 years battery warranty (USA and Canada)

### FEATURES

**Switched Receptacles—**remotely control individual UPS outlets via Web/SNMP interface to easily power cycle unresponsive IT equipment

**Communication Options—**supports RS-232, USB, and optional Web/SNMP, Modbus, and relay/dry contact communication cards for seamless integration

**High-Temperature Performance—**operates reliably up to 50°C (122°F) with no capacity derating, ideal for demanding environments

**Enhanced Safety and Reliability—**integrated Battery Management System (BMS) and advanced Lithium Iron Phosphate (LFP) chemistry ensure robust protection and long-term reliability

**Smart LCD Display—**provides critical monitoring and precise real-time information directly from the front panel

**Remote ON/OFF Control—**UPS start-up and shutdown using remote contacts

**Maintenance Bypass—**optional XBDM bypass module allows servicing or replacing the J90 without interrupting power to critical loads

**Comprehensive Equipment Coverage—**includes a \$50,000 load protection policy, offering peace of mind against potential damage to connected equipment

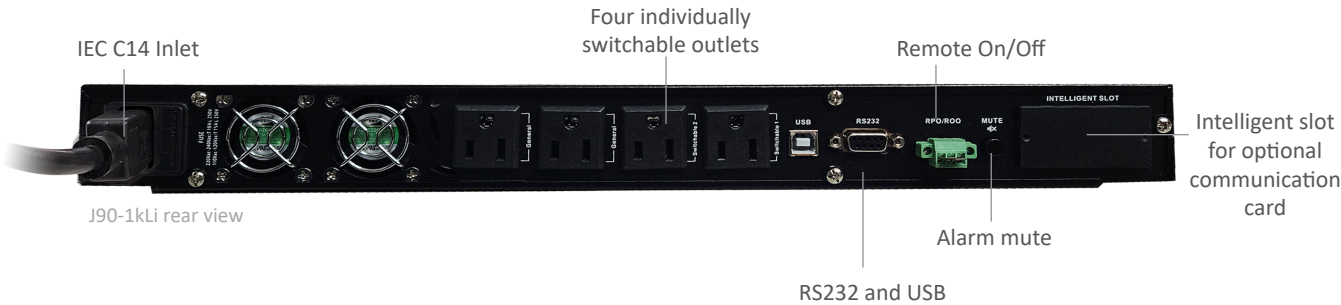
# MODEL SELECTION GUIDE

MODEL NUMBER		J90-1KLiD	J90-1.5KLiD
CAPACITY	Power rating	1000VA (900W)	1500VA (1350W)
INPUT	Voltage/frequency	120/110Vac, 40-70Hz	
	Power factor	≥0.99 @ Nominal voltage (full load)	
OUTPUT	Voltage	110/120VAC	
	Waveform	Pure sine wave: ≤3% THD (linear load), ≤5% THD (non-linear load)	
	Frequency	50/60Hz ± 0.5%	
	Overload capacity	≤130% for 2 min; 130% < Load < 200% for 10 sec; >200% for 250ms	
BATTERY	Battery type	Lithium-ion battery	
	Battery quantity & size	(1) 25.6V /6Ah	(1) 38.4V/ 6Ah
	Typical recharge	4 hours to 90%	
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 x 1.7 in (438 x 510 x 44 mm)
	Weight	26.8 lbs (12.2 kg)	27.7 lbs (12.6 kg)
	Line cord	C14 inlet, 5ft 5-15P to C13 line cord	6ft 5-15P
	Receptacles	(4) 5-15R, all are switchable	
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	
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, horizontal brackets, user manual	
AVAILABLE OPTIONS		Bypass distribution (XBDM), power distribution (XPDU), 4-post rail kit, 2-post shelf kit	

Rack depth is front bracket to unit panel. Add 1" for depth including front bezel. \*Above 3280ft, derate 1%/328ft \*\*6-year warranty is not applicable for installations where the ambient temperature exceeds 30°C.

## BATTERY RUNTIMES

Percentage load:	Internal Batteries								
	20%	30%	40%	50%	60%	70%	80%	90%	100%
J90-1KLiD	33	22	16	13	11	9	8	7	6.5
J90-1.5KLiD	35	23	18	14	12	10	9	8	7



**X-TREME**  
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