

# XTREME POWER CONVERSION J90

Online UPS // 120VAC



## Online 1U UPS with 10 year Lithium Batteries and Individual Receptacle Control

The J90 is a true online 1U UPS that delivers continuous, high quality AC power to servers and network equipment. Lithium-ion battery technology provides reduced cost of ownership. When compared to typical lead acid batteries, lithium-ion batteries provide several advantages: 2-3X the life, half the physical size, and double the runtime.

The J90's switched receptacle feature allows the user to power up or power down individual UPS outlets from remote to power cycle unresponsive IT equipment.

Due to its small size, J90 easily supports small edge applications, retail, kiosks and ATMs. J90 also supports larger branch offices, financial institutions, retail, light manufacturing as well as healthcare installations such as hospitals, labs and remote clinics.

For 230V 1U lithium UPS options, reference the J90i at [www.xpcc.com/j60i](http://www.xpcc.com/j60i)

### PRODUCT SNAPSHOT

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

### FEATURES

**Switched Receptacles** — remotely turn on or turn off individual outlets to power cycle unresponsive IT equipment from Web/SNMP interface

**98% efficient operation**— high efficiency ECO mode lowers energy consumption

**Hot swappable battery**— easy to replace without interrupting the load

**Frequency converter**—J90 can be programmed to convert from 50Hz to 60Hz or 60Hz to 50Hz

**Multiple communications capability**—JRS-232, USB, and optional Web/SNMP, Modbus, Relay/dry contact cards

**Reduced Risk** —Integral BMS monitoring in combination with proven Lithium Iron Phosphate (LFP) chemistry provides a reliability and safety

**EPO**—Emergency power off function

**Maintenance bypass**—an optional XBDM bypass module enables the J90i to be replaced or serviced without interruption of power to critical loads

**Surge Protection**—800J of surge protection

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

# MODEL SELECTION GUIDE

MODEL NUMBER		J90-1KLi	J90-1.5KLi	J90-2KLi	J90-3KLi	
CAPACITY	Power rating	1000VA (800W)	1500VA (1350W)	2000VA (1800W)	3000VA (3000W)	
INPUT	Voltage/frequency	120VAC +25/-33% / 50/60 Hz auto-sensing				
	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 ± 0.5Hz				
	Efficiency	Up to 98% ECO mode, 93% online mode				
	Overload capacity	≤ 130% for 2 min; ≤ 200% for 10 sec; >200% for 1 sec				
BATTERY	Battery type	Lithium-ion battery				
	Battery quantity & size	(1) 25.6V /6Ah	(1) 36V/ 6Ah	(1) 48V/5AH		
	Typical recharge	3.3 hours to 90%				
PHYSICAL	Dimensions (W x D x H)	17.2 x 18.8 x 1.7 in	17.2 x 20 x 1.7 in	17.2 x 23 x 1.7 in		
	Weight	18 lbs	20 lbs	22.5 lbs		
	Line cord	C14 inlet, 5ft 5-15P to C13 line cord		C20 inlet, 5ft 5-20P to C19 line cord	L5-30P 5ft line cord	
	Receptacles	(3) 5-15R, two are switchable	(4) 5-15R, all are switchable	(3) 5-20/15R, all are switchable	(2) 5-20/15R + L5-30R, all are switchable	
ENVIRONMENT	Operating temperature	32–104°F (0–40°C)				
	Altitude	11,500 ft above sea level				
APPROVALS	UN38.3 , UL, cUL, RoHS, FCC A (pending)					
WARRANTY	6 years electronics, 6 years battery warranty (USA and Canada)					
COMMUNICATIONS INTERFACE	EPO, 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.

## BATTERY RUNTIMES

Percentage Load	Internal Batteries		(1) 20AH Battery Pack		(2) 20AH Battery Packs		(3) 20AH Battery Packs	
	50%	100%	50%	100%	50%	100%	50%	100%
J90-1000	16	8	N/A	N/A	N/A	N/A	N/A	N/A
J90-1500	16	8	N/A	N/A	N/A	N/A	N/A	N/A
J90-2000	12	6	60	30	108	54	156	78
J90-3000	8	4	40	20	72	36	104	52



**X-TREME**  
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