

XTREME POWER CONVERSION X90-10S

10 Slot Modular Online UPS // 480VAC 3W Three-Phase 50kW-700kW



Scalable, Modular, Compact 480V UPS

The X90-10S is a scalable modular online double conversion UPS that protects critical data and equipment from power problems while supplying clean and reliable network grade power.

Optional 65kAIC maintenance bypass in slim matching cabinet providing the most compact footprint and reduced installation costs.

For lower power applications, reference the X90-2S www.xpcc.com/x90-2s and the X90-5S www.xpcc.com/x90-5s

XTREME
Power Conversion®
Protect your business.



PRODUCT SNAPSHOT

- › Capacities (70kW modules): 70kW, 140kW, 210kW, 280kW, 350kW, 420kW, 490kW, 560kW, 630kW, 700kW
- › Capacities (50kW modules): 50kW, 100kW, 150kW, 200kW, 250kW, 300kW, 350kW, 400kW, 450kW, 500kW
- › 65kAIC Rating
- › Hot swappable power modules
- › UL-1778, cUL, FCC A, RoHS, TAA, Energy Star
- › 2 year warranty (USA and Canada)

FEATURES

Highest availability— system can be configured with redundant power modules

Maintenance bypass— optional slim maintenance bypass enables service and repair

Reduce energy cost— online efficiency up to 96.5% and ECO mode up to 99%

Scalable— add power modules when requirements change

Power module ratings— 50kW or 70kW available

Full front access— no rear clearance required for maintenance

Large Touchscreen LCD display— 10" LCD display provides graphic display including status and alarms

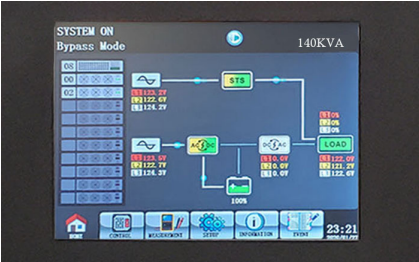
Dual or single utility input— provides maximum installation flexibility

Cable Access — top or bottom cable access

MODEL SELECTION GUIDE

	MODEL NUMBER	X90-10S70k	X90-10S140k	X90-10S210k	X90-10S280k	X90-10S350k
CAPACITY	Power rating*	70kVA/70kW	140kVA/140kW	210kVA/210kW	280kVA/280kW	350kVA/350kW
	MODEL NUMBER	X90-10S420k	X90-10S490k	X90-10S560k	X90-10S630k	X90-10S700k
CAPACITY	Power rating	420kVA/420kW	490kVA/490kW	560kVA/560kW	630kVA/630kW	700kVA/700kW
CABINET	X90-10S UPS: power modules	Up to 700kW (10 x 70kW) or 500kW (10 x50kW)				
INPUT	Voltage / frequency nominal	480VAC (3W), 50/60Hz auto-sensing				
	Voltage / frequency range	329 – 520VAC (L-L), 40–70Hz				
OUTPUT	Voltage	480VAC (3W)				
	Frequency	40–70Hz				
	Efficiency	Up to 96.5% online mode or 99% ECO mode				
	Overload capacity	105%-110% for 60min; 110%-125% for 10min; 126%-150% for 1min; >150% for 200ms				
DIMENSIONS & WEIGHTS	UPS enclosure (W x D x H)	35.4 x 42 x 79 in / 787 lbs				
	Bypass enclosure (W x D x H)	17.7 x 42 x 79 in / 524 lbs				
	Power module	17.2 x 29.5 x 5.1 in / 97 lbs				
BATTERY SYSTEM	Nominal voltage	+/-240VDC				
	Charge Current (programmable)	18A (70kW) 108A (420kW)	36A (140kW) 126A (490kW)	54A (210kW) 144A (560kW)	72A (280kW) 162A (630kW)	90A (350kW) 180A (700kW)
ENVIRONMENT	Temperature	0–40°C (32–104°F)				
	Altitude	5,200 ft above sea level				
	Audible noise (typical)	< 69dBA at 1m				
APPROVALS		UL-1778, cUL, FCC A, RoHS, TAA, Energy Star				
WARRANTY		2 years (USA and Canada)				
COMMUNICATIONS INTERFACE		RS-232, EPO, intelligent slot for optional cards (Web/SNMP, Relay, Modbus)				
INCLUDED IN BOX		User manual, RS-232 cable, unloading ramp, ViewPower Software				
AVAILABLE OPTIONS		Matching external maintenance bypass, battery temperature sensor				

*Ratings are based on 70kW modules, 50kW modules available



10” Touch LCD Display

65kAIC breakers
Main, Maintenance
Bypass & Output
Breakers

Top/Bottom
Cable Entry



Maintenance bypass
(door removed)



X90-10S 700kW UPS
(door removed)

UPS Enclosure
Includes slots for
up to (10) 70kW
or 50kW power
modules

X-TREME
Power Conversion®

Protect your business.

XPC USA / Denver, CO / sales@xpcc.com

XPC EMEA / Rotterdam, NL / emea@xpcc.com

www.xpcc.com

©2024 Xtreme Power Conversion Corporation. All Rights Reserved. P915-10.01U (Rev 1/4/24)