

XTREME POWER CONVERSION P91 5kW, 6kW, & 10kW

Online UPS // 208/230VAC or 240/120VAC

For more information, visit
www.xpcc.com/p91_5-10



Complete power protection in less space for high density loads

Designed for high density critical loads, the P91 delivers industry leading reliability, efficiency and flexibility.

P91 can be configured for online or ECO mode operation for efficiency of up to 99%. Output voltage and frequency are programmable to meet a wide range of USA and international requirements.

For distribution options, reference the XPDU at www.xpcc.com/XPDU

PRODUCT SNAPSHOT

- › Available models: 5kVA/5kW, 6kVA/6kW, 10kVA/10kW
- › Tower, 2-post, and 4-post rack mounting configurations
- › Unity power factor
- › UL 1778, cUL, FCC, RoHS, CE, TAA compliant
- › 3 years electronics, 3 years battery warranty (USA and Canada)

FEATURES

Unity output power factor—P91 systems provide more real capacity for high density loads

Efficient operation—up to 94% online or 99% ECO mode efficiency lowers energy consumption

Hot swappable battery—P91 optional battery packs are easy to replace without interrupting the load

Isolation transformer—optional transformer provides 240/120 output

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

XBDM—optional input/output distribution, maintenance bypass switch, each output receptacle is protected by a breaker

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

MODEL SELECTION GUIDE

For more information, visit www.xpcc.com/p91_5-10

MODEL NUMBER		P91-5K		P91-6K		P91-10K	
CAPACITY	Power rating	5kVA (5kW)		6kVA (6kW)		10kVA (10kW)	
INPUT	Voltage	110–300VAC*					
	Frequency	50/60Hz +/-0.1Hz					
OUTPUT	Voltage	208/220/230/240VAC (240/120V with optional transformer)***					
	Frequency	50/60Hz +/-0.1Hz					
	THD (full load)	< 4%					
	Overload capacity	110% 10 min; 130% 1 min; > 130% 1 sec					
	Efficiency	Up to 94% online mode or 99% ECO mode					
UPS DIMENSIONS & WEIGHT	Dimensions (W x D x H)	17.2 x 23.6 x 3.5 in					
	Weight	33.1 lbs				39.7 lbs	
BATTERY PACK DIMENSIONS & WEIGHT	Model	BPXR2U240A			BPXR3U240A		
	Dimensions (W x D x H)	17.2 x 30 x 3.5 in (2U)			17.2 x 30 x 5.2 in (3U)		
	Weight	120lbs			160lbs		
	Battery Quantity/Type	(20) 12V 5AH Lead Acid			(20) 12V 580W Lead Acid		
BYPASS DISTRIBUTION MODULE	Model	XBDM-P91A (5 or 6kVA)	XBDM-P91B		XBDM-P91C		XBDM-P91D
	Input connection	L6-30P with 6’ cord	Terminal Blocks or optional line cord				
	Output connection	(2) L6-30R + (2) C19** each with breaker	Terminal block + L6-30R + (2) C19** each with breaker	Terminal block + L6-30R with breaker		(2) L6-30R each with breaker	
ENVIRONMENT	Operating temperature	32–104°F (0–40°C)					
	Audible noise	< 55dBA				< 58dBA	
	Altitude	11,500 ft above sea level					
APPROVALS		UL 1778, cUL, FCC, RoHS, CE, TAA complaint					
WARRANTY		3 years electronics, 3 years battery warranty (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, tower pedestals, USB cable					
AVAILABLE OPTIONS		5 year extended warranty, 4-post rail kit, 2-post shelf kit, 2U/3U isolation transformer					

*Depending on load level. **Optional locking C20 dongles; L6-30R, L6-20R, 6-20R. *** P91 capacity derates to 90% at 208V output voltage. 6kVA system capacity will be reduced by 30A input circuit.

BATTERY PACK RUNTIMES

	Qty	1kW	2kW	3kW	4kW	5kW	6kW	7kW	8kW	9kW	10kW
BPXR2U240A	1 BP	53	27	15	11	7	5	4	4	3	2
	2 BP	117	61	38	27	20	15	13	11	9	7
	3 BP	171	100	62	43	33	27	22	18	15	13
BPXR3U240A	1 BP	92	46	29	20	15	12	10	8	7	6
	2 BP	182	106	66	47	36	29	24	20	18	15
	3 BP	287	151	107	76	58	47	39	33	29	25

Runtimes are shown in minutes and will vary based on battery age and site conditions. For longer runtimes please contact sales@xpcc.com or visit www.xpcc.com/selector/

P91-10K UPS

Battery Pack
BPXR2U240A including
(20) 12V 5AH lead acid
batteries



XBDM mounts to
rear of battery
pack adding 5" to
depth or 2U rack
mounting

Battery
Connection

Battery
Breaker

Receptacle XBDM-P91C shown
Terminal block input, L6-30R output cord,
hardwired output and maintenance bypass
switch

X-TREME
Power Conversion®

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