

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

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

For more information, visit
www.republicpowersystems.com



More Power in Less Space with Lead Acid

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.

PRODUCT SNAPSHOT

- › Available models: 5kVA/5kW, 6kVA/6kW, 10kVA/10kW
- › True online double conversion technology
- › Tower, 2-post, and 4-post rack mounting configurations available.
- › Unity power factor
- › 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

Parallel operation—up to three units can be paralleled for additional capacity or N+1 redundancy

Efficient operation—up to 95% 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 2U PDU with isolation transformer provides 120V output

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

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

XBDM—optional input/output distribution maintenance bypass switch

MODEL SELECTION GUIDE

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MODEL NUMBER		P91-5K	P91-6K	P91-10K
CAPACITY	Power rating	5kVA (5kW)	6kVA (6kW)	10kVA (10kW)
INPUT	Voltage	110–300VAC*		
	Frequency	50/60Hz		
OUTPUT	Voltage	200/208/220/230/240VAC (208/120V or 240/120V with optional transformer)		
	Frequency	50/60Hz ± 4Hz		
	THD (full load)	< 4%		
	Overload capacity	110% 10 min; 130% 1 min; > 130% 1 sec		
	Efficiency	Up to 95% online mode or 99% ECO mode		
BATTERY	Charger amps	1–4A		
	Nominal/float voltage	240/273VDC		
DIMENSIONS & WEIGHT	Dimensions (W x D x H)	17.2 x 23.6 x 3.5 in		
	Weight	33.1 lbs		39.7 lbs
BYPASS DISTRIBUTION MODULE	Model	XBDM-P91A		XBDM-P91B
	Input connection	L6–30P (5, 6kVA)		Terminal Block (5,6,10kVA)
	Output connection	(2) L6–30R+(2) C19 Optional: L6–30R, L6–20R, 6–20R		Terminal block + (1) L6–30R+(2) C19 Optional: L6–30R, L6–20R, 6–20R
ENVIRONMENT	Operating temperature	32–104°F (0–40°C)		
	Audible noise	< 55dBA		< 58dBA
	Altitude	11,500 ft above sea level		
APPROVALS		UL/FCC (pending), RoHS		
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		
AVAILABLE OPTIONS		5 year extended warranty, power distribution (XPDU), 4-post rail kit, 2-post shelf kit, transformer		

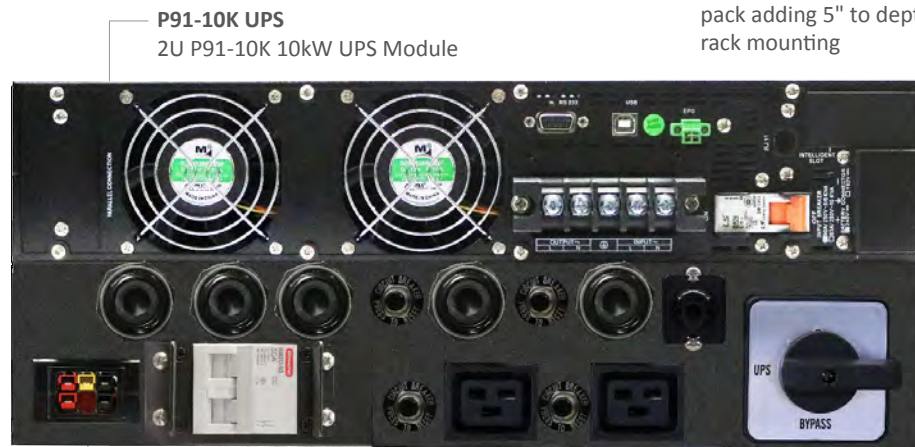
*Depending on load level.

BATTERY PACK DATA & RUNTIMES

		Qty	1kW	2kW	3kW	4kW	5kW	6kW	7kW	8kW	9kW	10kW
Model Number	BPXR2U240A	1 BP	57	24	16	11	8	7	5	4	4	3
Dimensions/Weight	17.2 x 27.4 x 3.5 in (2U)	2 BP	132	57	35	24	19	16	13	11	10	8
Battery Quantity/Type	(20) 12V 5AH Lead Acid	3 BP	218	93	57	40	30	24	20	17	16	14
Model Number	BPXR3U240A	1 BP	99	43	27	19	15	12	9	8	7	6
Dimensions/Weight	17.2 x 27.4 x 5.2 in (3U)	2 BP	229	99	61	43	33	27	22	19	16	15
Battery Quantity/Type	(20) 12V 580W Lead Acid	3 BP	374	162	99	70	54	43	36	31	27	23

Runtimes are shown in minutes and will vary based on battery age and site conditions.

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



P91-10K UPS
2U P91-10K 10kW UPS Module

X-TREME
Power Conversion®

Protect your business.

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

Receptable XBDM shown
Includes input line cord, or terminal block,
(2) L6-30R output cords, (2) C19 receptacles,
and maintenance bypass switch



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