

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

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



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.

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 or 208/120V 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

| 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 | 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 94% 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 (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 compliant | | | | |
| 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 10kVA/9kW at 208V output voltage.

BATTERY PACK DATA & RUNTIMES

| | Qty | 1kW | 2kW | 3kW | 4kW | 5kW | 6kW | 7kW | 8kW | 9kW | 10kW | |
|-----------------------|---------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|------|----|
| Model Number | BPXR2U240A | 1 BP | 53 | 27 | 15 | 11 | 7 | 5 | 4 | 4 | 3 | 2 |
| Dimensions | 17.2 x 27.4 x 3.5 in (2U) | 2 BP | 117 | 61 | 38 | 27 | 20 | 15 | 13 | 11 | 9 | 7 |
| Battery Quantity/Type | (20) 12V 5AH Lead Acid | 3 BP | 171 | 100 | 62 | 43 | 33 | 27 | 22 | 18 | 15 | 13 |
| Model Number | BPXR3U240A | 1 BP | 92 | 46 | 29 | 20 | 15 | 12 | 10 | 8 | 7 | 6 |
| Dimensions | 17.2 x 27.4 x 5.2 in (3U) | 2 BP | 182 | 106 | 66 | 47 | 36 | 29 | 24 | 20 | 18 | 15 |
| Battery Quantity/Type | (20) 12V 580W Lead Acid | 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/



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