

XTREME POWER CONVERSION P91g Li 1.5-3kVA

Lithium-Ion // Online UPS // 230VAC



High Performance Online UPS for Critical Network Applications

Lithium-ion battery technology provides up to 10 years of battery life and reduced cost of ownership.

When compared to typical lead acid batteries, lithium-ion batteries provide more than twice the life, higher temperature tolerance, longer runtime, and faster recharge. Online double conversion technology makes P91g Li UPS ideal for protection of network, server, edge and distributed IT applications.

P91g Li UPS models include redundant Battery Management Systems (BMS) insuring cell voltage balancing, current sharing and protection for over-charge and over-discharge

For 120V options, reference the P91 Li www.xpcc.com/p91g-li-1-3

PRODUCT SNAPSHOT

- › Available models: 1500VA/1350W, 2000VA/1800W, 3000VA/2700W
- › Tower, wall, 2-post, and 4-post rack mounting configurations
- › Easy to replace battery design
- › CE, RoHS, UN38.3 for battery transportation
- › \$50,000 load protection policy
- › 6 years electronics, 6 years battery warranty (USA and Canada)

FEATURES

Lithium-ion Batteries —last up to 10 years or 2000 discharge cycles

More runtime & faster recharge —Internal full load runtimes up to 14 minute and recharge to 90% in just 1.5 hours

Auto restart—after full battery discharge, the P91g automatically restarts when utility power returns

Charging current—Up to 8A, adjustable from LCD display

Redundant BMS—dual redundant Battery Management Systems insuring cell voltage balancing, current sharing, and protection from over-charge/discharge

Maintenance bypass—an optional XBDM bypass module enables the P91 to be replaced or serviced without interruption of power to critical loads

MODEL SELECTION GUIDE

| MODEL NUMBER | | P91g-1.5kLi | P91g-2kLi | P91g-3kLi |
|--------------------------|---|---|---|---|
| CAPACITY | Power rating | 1500VA (1350W) | 2000VA (1800W) | 3000VA (2700W) |
| INPUT | Voltage/frequency | 110-300 VAC* / 50/60Hz auto-sensing | | |
| OUTPUT | Voltage | 200**/208**/220/230/240 Vac selectable | | |
| | Waveform | <=2% THD (linear load), <=4% THD (non-linear load) | | |
| | Frequency | 50/60Hz +/-0.1Hz | | |
| | Efficiency | Up to 98% efficiency | | |
| | Overload capacity | 110% & ≤ 130% for 5 min; > 130% & ≤140% for 30 sec; >140% for 1.5 sec | | |
| BATTERY | Cell type | LFP26650 2600 mAh | | |
| | Cell configuration | 15S2P | 15S2P x2 | 24S1P x 3 |
| | Charger voltage | 52.5VDC | | 84VDC |
| | Charger current | 1/2/4/6/8A (max.), adjustable through LCD | | |
| | Recharge time | 1.5 hours to 90% charge | | |
| PHYSICAL | Dimensions (W x D x H)*** | 17.2 x 15.1 x 3.5 in (437 x 384 x 89 mm) | 17.2 x 19 x 3.5 in (437 x 482 x 89 mm) | 17.2 x 23.8 x 3.5 in (437 x 605 x 89 mm) |
| | Weight | 25.6 lbs (11.5 kg) | 33.5 lbs (15 kg) | 45.2 lbs (20.5 kg) |
| | Line cord | C14 inlet, 8 ft (2.4 m) L6-20P to C13 line cord | C20 inlet, 8 ft (2.4 m) L6-20P to C19 line cord | |
| | Receptacles | (8) IEC C13 | | (1) IEC C19 + (8) IEC C13 |
| ENVIRONMENT | Operating temperature | 32–104°F (0–40°C) | | |
| | Altitude | 11,500 ft (3505 m) above sea level | | |
| APPROVALS | CE, RoHS, battery packs comply to UL1973, UN38.3 for battery transportation | | | |
| WARRANTY | 6 years electronics, 6 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 | ViewPower software, front brackets, tower pedestals, user manual | | | |
| AVAILABLE OPTIONS | Bypass distribution (XBDM), power distribution (XPDU), 4-post rail kit, 2-post shelf kit, wall mount bracket | | | |

*Depending on load level. **Derate capacity to 80% when the output voltage is adjusted to 200VAC/208VAC. ***Rack depth is front bracket to unit panel. Add 1" for depth including front bezel.

BATTERY RUNTIMES

| Percentage load: | Internal batteries | | | | | | | | | |
|------------------|--------------------|-----|-----|-----|-----|-----|----|-----|-----|------|
| | 10% | 20% | 30% | 40% | 50% | 60% | 70 | 80% | 90% | 100% |
| P91g-1.5kLi | 111 | 54 | 34 | 25 | 19 | 16 | 13 | 11 | 9 | 8 |
| P91g-2kLi | 163 | 79 | 51 | 38 | 30 | 24 | 21 | 18 | 16 | 14 |
| P91g-3kLi | 127 | 62 | 40 | 29 | 23 | 19 | 16 | 14 | 12 | 11 |

Runtimes are shown in minutes and will vary based on battery condition, age, cycles, and ambient temperature.



www.reliabl.com
 info@reliabl.com
 385-800-2904

