XTREME POWER CONVERSION V80Li

Lithium-ion Pure Sine Wave Line Interactive // 120V



Lithium-ion batteries provide longest life and reduced cost of ownership

Lithium-ion batteries provide 2X the battery life, better performance at higher temperatures and lower total cost of ownership compared to typical UPS with lead-acid batteries. Longer battery life helps eliminate the cost of battery replacement, labor, shipping and recycling.

V80Li UPS includes redundant Battery Management Systems (BMS) insuring cell voltage balancing, current sharing and protection for over-charge and overdischarge.

V80Li UPS is ideal for point-of-sale, routers, switches, servers and network devices.

For the world's smallest Lithium-ion UPS, reference the J60 at www.xpcc.com/j60



PRODUCT SNAPSHOT

- > Available models: 700VA, 1000VA, 1500VA
- > Easy to replace battery design
- > Pure sine wave output
- > Tower, wall, and rack mount configurations available
- > UL, cUL, RoHS, TAA Compliant
- > 5 years electronics, 5 years battery warranty (USA and Canada)

FEATURES

Lithium-ion Batteries— LiFePO4 batteries last up to 10 years or 2000 discharge cycles

Redundant Protection redundant Battery Management Systems (BMS) insure cell balancing, current sharing, and protection from over-charge/discharge

Fast Recharge—recharge batteries in about 60 minutes after a full discharge

96% efficient operation high efficiency ECO mode lowers energy consumption

Easy to Replace Battery replace without interrupting the critical load Web/SNMP Card — optional card provides monitoring of critical UPS parameters, alarms and status

Auto restart—after full battery discharge, the V80Li automatically restarts when utility power returns

High Temperature Operation—V80Li operates continuously at up to 113°F (45°C)

\$25,000 load protection policy—protection against damaged connected equipment



MODEL SELECTION GUIDE

For more information, visit www.xpcc.com/v80li

| | MODEL NUMBER | V80-0.7kLi | V80-1kLi | V80-1.5kLi | | | | |
|--------------------------|--------------------------|---|----------------|---------------|--|--|--|--|
| CAPACITY | Power rating | 700VA (420W) | 1000VA (600W) | 1500VA (900W) | | | | |
| INPUT | Voltage nominal | 120VAC | | | | | | |
| | Voltage range | 82-148VAC | | | | | | |
| | Frequency | 50/60Hz auto-sensing | | | | | | |
| Ουτρυτ | Voltage | 120VAC | | | | | | |
| | Waveform | Pure sine wave | | | | | | |
| | Transfer time (typical) | 2–6ms | | | | | | |
| | Efficiency | Up to 96% ECO mode, 93% buck and boost mode | | | | | | |
| | Harmonic distortion | 2% @ 100% linear load; 5% @ 100% non-linear load | | | | | | |
| BATTERY | Battery type | Lithium Iron Phosphate (LiFePO4) 12.8V 6AH | | | | | | |
| | Internal Battery Strings | Li1, Li2, Li3, Li4 | Li1, Li2 | Li1, Li2 | | | | |
| | Charging current | 1, 3 and 6A selectable (6A default) | | | | | | |
| | Recharge time to 95% | 1 hour per string | | | | | | |
| PHYSICAL | Dimensions (W x D x H) | 17.2" x 16.1" x 3.5" | | | | | | |
| | Weight | 21.2, 23.4, 25.6, 27.8 lbs | 24.2, 28.6 lbs | 26, 30.4 lbs | | | | |
| | Line cord (detachable) | 5ft, 5-15P to C13 | | | | | | |
| | Receptacles | (8) NEMA 5–15R | | | | | | |
| ENVIRONMENT | Operating temperature | 32–113°F (0–45°C) | | | | | | |
| | Audible noise | < 40dBA < 45dBA | | | | | | |
| | Altitude | 11,500 ft above sea level | | | | | | |
| APPROVALS | | UL, cUL, RoHS, FCC Class A, battery packs comply to UL1973 and UN38.3 for battery transportation, TAA compliant | | | | | | |
| WARRANTY | | 5 years electronics, 5 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 | | Front mount rack brackets, line cord, tower pedestals, user manual, USB cable, Power Monitor software | | | | | | |
| AVAILABLE OPTIONS | | Bypass distribution (XBDM), power distribution (XPDU), 4-post rail kit, 2-post shelf kit, wall mount bracket | | | | | | |

BATTERY RUNTIMES

| | 1 string (Li1) | | 2 string (Li2) | | 3 string (Li3) | | 4 string (Li4) | |
|------------------|----------------|------|----------------|------|----------------|------|----------------|------|
| Percentage load: | 50% | 100% | 50% | 100% | 50% | 100% | 50% | 100% |
| V80-0.7kLi | 16 | <3 | 36 | 16 | 56 | 18 | 72 | 22 |
| V80-1kLi | 25 | 7 | 49 | 20 | - | - | - | - |
| V80-1.5kLi | 11 | <3 | 32 | 11 | - | - | - | - |

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



Easy to Replace Battery replace without interrupting the critical load



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communication card