CyberPower

# OL10KRTHW SMART APP ONLINE UPS SYSTEM




## Providing mission-critical enterprise applications maximum power protection.

The CyberPower Smart App Online OL10KRTHW rack/tower uninterruptible power supply (UPS) with LCD Control Panel and sine wave output safeguards mission-critical servers, data center and telecom equipment, VoIP, and networking hardware that require seamless power correction.

Its Double Conversion Topology is generator compatible and delivers consistent and clean AC power with zero transfer time, protecting connected equipment and preventing costly business interruptions.

The OL10KRTHW features a removable LCD control panel to reposition it to a more convenient location (with optional DB-26 cable). Smart Battery Management charging technology increases battery life by up to 50%. Fast Charge Technology helps replenish battery charge from 0-90% in 4 hours regardless of the number of Extended Battery Modules (EBM) connected. The energy-saving GreenPower UPS™ ECO Mode allows the UPS to reach up to 97% efficiency to reduce power consumption and thermal dissipation.

This UPS can use the BP240V30ART3U or BP240VL3U01 Extended Battery Module for more runtime. A Three-Year Warranty ensures this UPS has passed our highest quality standards in design, assembly, material or workmanship and further protection is offered by a $300,000 Connected Equipment Guarantee.

### TYPICAL APPLICATIONS

- Server Rooms
- Server Virtualization Infrastructures (VMware, Hyper-V, Citrix)
- Hyperconverged Infrastructure (HCI)
- Core Network Equipment
- Storage Systems
- VoIP Infrastructure

### FEATURES

- 10,000 V/ 10,000 W
- Double Conversion Topology
- Sine Wave Output, Zero Transfer Time
- Output: 200-240 V UPS
- GreenPower UPS™ ECO Power Mode
- Removable LDC Panel
- Generator Compatibility Mode

## SPECIFICATIONS

| GENERAL | |
|---|---|
| UPS Topology | Double Conversion |
| Energy Saving | Yes - ECO Mode<br>Efficiency up to 97% |
| **INPUT** | |
| Nominal Voltage | 200 V to 240 V |
| Voltage Range | 120 V to 139 V, 0% to 25% load<br>140 V to 159 V, 0% to 50% load<br>160 V to 179 V, 0% to 75% load<br>180 V to 280 V, 0% to 100% load |
| Frequency Range | 40 Hz to 70 Hz<br>(auto-sensing) |
| Power Factor | 0.99 |

| INPUT CONT. | |
|---|---|
| Cold Start | Yes |
| Backfeed Protection | Yes |
| Plug Type | Hardwire |
| **OUTPUT** | |
| VA | 10,000 (10 kVA) |
| Watts | 10,000 (10 kW) |
| Power Factor | 1 |
| Waveform<br>(Battery Mode) | Sine wave |
| Nominal Voltage<br>(Battery Mode) | 200, 208, 220, 230,<br>240 V ±2% (configurable) |

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## SPECIFICATIONS CONT.

| OUTPUT CONT. | |
|---|---|
| Frequency | 50/60 Hz ±0.25 Hz (auto-sensing/configurable) |
| ECO Mode Bypass Voltage Range | ±10%, ±15% (configurable) |
| Harmonic Distortion (THD) | <3% at linear load, <5% at non-linear load |
| Crest Factor | 3:1 |
| Outlets - Total | 1 |
| Outlets - Type | (1) Hardwire Terminal Block |
| Overload Protection | Line Mode:<br>105% to 125% load for 1 min<br>126% to 150% load for 10 s<br>Battery Mode:<br>105% to 130% load for 10 s<br>131% to 150% load for 2 s |
| Short Circuit Protection | UPS Output Cut off Immediately or Input Fuse/ Circuit Breaker Protection |
| Bypass | Internal Bypass (Automatic and Manual), Maintenance Bypass |
| Maintenance Bypass | Yes |
| Transfer Time | 0 ms |

| BATTERY | |
|---|---|
| Runtime at Half Load | 10 min |
| Runtime at Full Load | 3.6 min |
| Battery Type | Sealed lead acid |
| Battery Size | 12 V/9 Ah |
| Battery Quantity | 20 |
| Replaceable | Yes |
| Replacement Battery | (2) RB1290X10 |
| Hot Swappable | Yes |
| Typical Recharge Time | 5 h (0% to 90%) |
| Smart Battery Management (SMB) Mode | Yes |
| Extended Battery Module | Optional BP240V30ART3U or BP240VL3U01 |

| SURGE PROTECTION AND FILTERING | |
|---|---|
| Surge Protection | 2430 Joules, IEC 61000-4-5 Level 3 |
| Phone/Network Surge Protection RJ11/RJ45 | 1-In / 1-Out |
| EMI/RFI Filtration | Yes |

| MANAGEMENT AND COMMUNICATION | |
|---|---|
| LCD Control Panel | Access 50 information status and configuration settings via the Information and Configuration Menus, in addition to an Event Log Menu. |
| Rotatable LCD Control Panel Option | Yes |
| Removable LCD Control Panel Option | Yes - Requires DB26 cable (not included) |
| HID Compliant USB Port | Yes |
| Serial Port | Yes |
| Emergency Power Off (EPO) Port | Yes |
| Dry Contact Port | Yes |
| Cables Included | USB cable, serial cable, phone cable |
| LED Indicators | Power On (White)<br>Line Mode (Green)<br>Battery Mode (Yellow)<br>Bypass Mode (Yellow)<br>Fault (Red)<br>Replace Battery (Red) |
| Audible Alarms | Battery Mode, Battery Low, Overload, UPS Fault |
| Software | PowerPanel® Business Edition |
| Expansion Slot | Yes - RMCARD205 pre-installed |

| PHYSICAL | |
|---|---|
| Form Factor | Rack/Tower convertible (rotatable LCD) |
| Enclosure Construction | Steel |
| Rack Mounting Hardware | Included |
| Dimensions (WxHxD) (in.) | 17.05 x 10.4 x 32.3 |
| Dimensions (WxHxD) (mm.) | 433 x 264 x 820 |
| Weight (lbs) | 229.9 |

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## SPECIFICATIONS CONT.

| PHYSICAL CONT. | |
|---|---|
| Weight (kg) | 104.5 |
| Rack Units | 6U |
| Max. Mounting Rail Depth (in.) | 36.02 |
| Max. Mounting Rail Depth (mm) | 915 |
| Min. Mounting Rail Depth (in.) | 20.47 |
| Min. Mounting Rail Depth (mm) | 520 |
| **PHYSICAL - POWER MODULE** | |
| Dimensions (WxHxD) (in.) | 17.05 x 5.2 x 26 |
| Dimensions (WxHxD) (mm.) | 433 x 132 x 660 |
| Weight (lbs) | 52.8 |
| Weight (kg) | 24 |
| Rack Units | 3U |
| **PHYSICAL - BATTERY MODULE** | |
| Dimensions (WxHxD) (in.) | 17.05 x 5.2 x 26 |
| Dimensions (WxHxD) (mm.) | 433 x 132 x 660 |
| Weight (lbs) | 171.6 |
| Weight (kg) | 78 |
| Rack Units | 3U |
| **PHYSICAL - MAINTENANCE BYPASS CONT.** | |
| Dimensions (WxHxD, in) | 7.8 x 5.2 x 6.3 |
| Dimensions (WxHxD, mm) | 198 x 132 x 160 |
| Weight (lb) | 5.5 |
| Weight (kg) | 2.5 |
| Rack Units | 3U |

| SHIPPING DIMENSIONS | |
|---|---|
| Dimensions (WxHxD) (in.) | 24.4 x 25.6 x 44.1 |
| Dimensions (WxHxD) (mm.) | 620 x 650 x 1120 |
| Weight (lbs) | 289.3 |
| Weight (kg) | 131.2 |
| **ENVIRONMENTAL** | |
| Operating Temperature | 32°F to 104°F (0°C to 40°C) |
| Operating Relative Humidity | 0% to 90% (non-condensing) |
| Operating Elevation | 0 to 10,000 feet (0 to 3,000 meters) |
| Storage Temperature | -4°F to 113°F (-20°C to 45°C) |
| Storage Relative Humidity | 0% to 95% (non-condensing) |
| Storage Elevation | 0 to 50,000 feet (0 to 15,000 meters) |
| UPS Online Thermal Dissipation (100% load) | 3211 BTU/h |
| ECO Mode Thermal Dissipation (100% load) | 1019 BTU/h |
| Audible noise at 1 m from surface of unit | 38 dBA to 65 dBA (0% to 100% load) |
| **CERTIFICATIONS** | |
| Safety | "UL 1778 5th Ed., CSA C22.2 NO.107.3-05, FCC Part 15 Class A" |
| Environmental | ROHS Compliant |
| **WARRANTY** | |
| Product Warranty | Three-Years Limited |
| Extended 2-Year Warranty | Optional WEXT5YR-U20C |
| Connected Equipment Guarantee | Lifetime |
| CEG Amount | $300,000 |

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