



## OL5KRTHD SMART APP ONLINE UPS



Safeguard mission-critical servers, applications, and network equipment with this space saving design and double-conversion power protection

The CyberPower Smart App Online OL5KRTHD high-density design offers more power in less space. In fact, it can be configured into 2U of rack space or as a tower, compared to 3U and 4U for similar competitive UPS models - giving you more room to grow. The OL5KRTHD features double-conversion topology for seamless power protection and a pre-installed RMCARD205.

For monitoring, this UPS offers a new state-of-the-art, multi-function, color matrix LCD screen that is simple to set up and easy to use. The color-coded alerts provide clear status of the UPS and the screen orientation rotates automatically when placed into a tower configuration.

The OL5KRTHD ensures maximum efficiency and capacity output with a Power Factor rating (PF) of 1. The energy-saving GreenPower UPS™ ECO Mode enables up to 96% efficiency while reducing power consumption and thermal dissipation. The variable 7-speed fan provides automatic thermal management, based on power load, to reduce noise.

The optional BP144VL2U01 Extended Battery Module (EBM) expands runtime and up to ten EBM's can be connected in a daisy-chain to the UPS for more backup power. Plus, it's all backed by a three-year warranty (including batteries) and a \$300,000 Connected Equipment Guarantee.

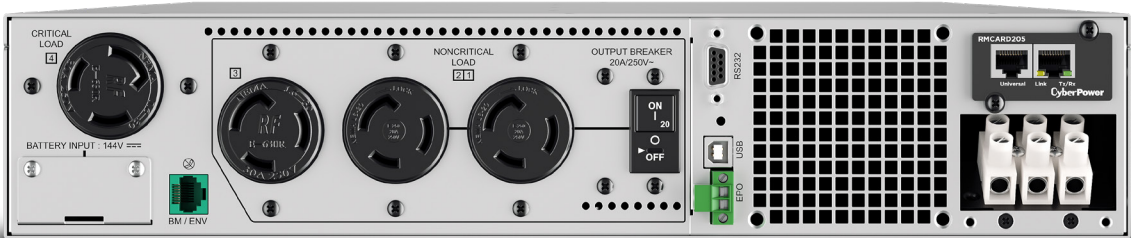
### TYPICAL APPLICATIONS

- Core Network Equipment
- Hyperconverged Infrastructure (HCI)
- Server Rooms
- Server Virtualization Infrastructures
- Storage Systems
- VoIP Infrastructure
- Enterprise Servers
- Corporate Servers

### FEATURES

- Capacity: 5000 VA / 5000 W
- High Density: 2U Size
- Power Factor (PF): 1
- Topology: Double-Conversion
- Waveform: Sine Wave
- Output: 200, 208, 220, 230, 240 VAC User Configurable +/-2%
- Runtime (half/full): 7.9 minutes / 3.1 minutes
- Plug type & cord: NEMA L6-30P Power Cord with Hardwire Option
- Outlets: 4
- Outlet types: 2 x NEMA L6-20R, 2 x NEMA L6-30R
- Communication ports: USB, Serial, SNMP, EPO
- Management software: PowerPanel® Business Edition
- Energy Saving: ECO Mode Efficiency >96%
- Remote management: Yes, RMCARD205 pre-installed
- LCD Control Panel: Multi-Function Color
- Battery Equalization Technology: Yes
- Smart Battery Management: Yes
- Fast Charge Technology: Yes
- Environmental sensor: Optional ENVIROSENSOR
- Warranty: Three-Year
- Connected Equipment Guarantee: \$300,000

OL5KRTHD  
SMART APP ONLINE UPS



SPECIFICATIONS

| GENERAL                |                                                                                                                                               |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Energy Saving          | ECO Mode Efficiency >96%                                                                                                                      |
| ENERGY STAR® Certified | Yes                                                                                                                                           |
| UPS Topology           | Online Double Conversion                                                                                                                      |
| INPUT                  |                                                                                                                                               |
| Backfeed Protection    | Yes                                                                                                                                           |
| Circuit Breaker        | 50A                                                                                                                                           |
| Cold Start             | Yes                                                                                                                                           |
| Cord Length            | 10 ft. (3.0 m)                                                                                                                                |
| Input Frequency Range  | 40 Hz - 70 Hz                                                                                                                                 |
| Input Plug Type        | Hardwire Terminal (NEMA L6-30P power cord included)<br>NEMA L6-30P                                                                            |
| Input Power Factor     | 0.99                                                                                                                                          |
| Input Voltage Range    | 120 VAC - 139 VAC for 0-25% Load<br>140 VAC - 159 VAC for 0-50% Load<br>160 VAC - 179 VAC for 0-75% Load<br>180 VAC - 280 VAC for 0-100% Load |
| Nominal Input Voltage  | 200 - 240 VAC                                                                                                                                 |

| OUTPUT                      |                                                                                                                                                                                                                                                       |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bypass                      | Internal Bypass (Automatic and Manual)                                                                                                                                                                                                                |
| Crest Factor                | 3:1                                                                                                                                                                                                                                                   |
| ECO Mode Voltage Regulation | +/-10%, +/-15% (configurable)                                                                                                                                                                                                                         |
| Harmonic Distortion         | < 3% at Linear Load<br>< 5% at Non-Linear Load                                                                                                                                                                                                        |
| Maintenance Bypass          | Yes                                                                                                                                                                                                                                                   |
| On Battery Frequency        | 50/60 Hz +/- 0.25Hz (auto-sensing or configurable)                                                                                                                                                                                                    |
| On Battery Voltage          | 200/208/220/230/240 VAC +/- 2% (configurable)                                                                                                                                                                                                         |
| On Battery Waveform         | Sine Wave                                                                                                                                                                                                                                             |
| Outlet Type                 | 2 x NEMA L6-20R<br>2 x NEMA L6-30R                                                                                                                                                                                                                    |
| Outlets - Total             | 4                                                                                                                                                                                                                                                     |
| Output Power Factor         | 1                                                                                                                                                                                                                                                     |
| Short Circuit Protection    | UPS Output Cut off Immediately<br>Input Fuse / Circuit Breaker Protection                                                                                                                                                                             |
| Typical Transfer Time       | 0 ms                                                                                                                                                                                                                                                  |
| VA                          | 5000 VA                                                                                                                                                                                                                                               |
| VA by Input Type            | 5,000 (5 kVA) →w/ Hardwire Terminal<br>5,000 (5 kVA) - 240VAC →w/ Power cord<br>5,000 (5 kVA) - 230VAC →w/ Power cord<br>5,000 (5 kVA) - 220VAC →w/ Power cord<br>4,850 (4.85 kVA) - 208VAC →w/ Power cord<br>4,500 (4.5 kVA) - 200VAC →w/ Power cord |

# OL5KRTHD

## SMART APP ONLINE UPS

### SPECIFICATIONS - CONT.

#### OUTPUT - CONT.

|                     |                                                                                                                                                                                                                                                                   |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Watts               | 5000 W                                                                                                                                                                                                                                                            |
| Watts by Input Type | 5,000 (5 kW)<br>→w/ Hardwire Terminal<br>5,000 (5 kW) - 240VAC<br>→w/ Power cord<br>5,000 (5 kW) - 230VAC<br>→w/ Power cord<br>5,000 (5 kW) - 220VAC<br>→w/ Power cord<br>4,850 (4.85 kW) - 208VAC<br>→w/ Power cord<br>4,500 (4.5 kW) - 200VAC<br>→w/ Power cord |

#### BATTERY

|                                     |                                     |
|-------------------------------------|-------------------------------------|
| Battery Equalization Technology     | Yes                                 |
| Battery Quantity                    | 12                                  |
| Battery Size                        | 12 V / 5.7 Ah                       |
| Battery Type                        | Sealed Lead-Acid Battery            |
| Extended Battery Module             | BP144VL2U01                         |
| Field-serviceable Battery           | Replaceable by qualified technician |
| Hot-Swappable                       | Yes                                 |
| Replacement Battery Cartridge       | 1 x RB1260X12                       |
| Runtime at Full Load                | 3.1 min.                            |
| Runtime at Half Load                | 7.9 min.                            |
| Smart Battery Management (SBM) Mode | Yes                                 |
| Typical Recharge Time               | 4 Hours (0% to 90% charged)         |

#### SURGE PROTECTION & FILTERING

|                    |        |
|--------------------|--------|
| EMI/RFI Filtration | Yes    |
| Surge Suppression  | 2430 J |

#### MANAGEMENT & COMMUNICATIONS

|                                    |                                                 |
|------------------------------------|-------------------------------------------------|
| Audible Alarms                     | Battery Mode / Low Battery Overload / UPS Fault |
| Dry Contacts                       | No                                              |
| Emergency Power Off (EPO) Port     | Yes                                             |
| HID Compliant USB Port             | Yes                                             |
| LCD                                | Multifunction LCD                               |
| LED Indicators                     | Power On (White)                                |
| Management Cable                   | USB Cable                                       |
| Removable LCD Control Panel Option | No                                              |
| Rotatable LCD Control Panel Option | Yes                                             |
| Serial Port                        | 1 Serial                                        |
| SNMP / HTTP Remote Monitoring      | Yes - RMCARD205 pre-installed                   |
| Software (Free Download)           | PowerPanel® Business                            |

#### PHYSICAL

|                          |            |
|--------------------------|------------|
| Chassis Color            | Unpainted  |
| Form Factor              | Rack/Tower |
| Front Panel Color        | Black      |
| Material of Construction | Metal      |
| Mounting Hardware        | Yes        |
| Rack Height              | 2U         |

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SPECIFICATIONS - CONT.

| DIMENSIONS                                     |                              |
|------------------------------------------------|------------------------------|
| Dimensions - Width/Height/Depth (cm)           | 43.18 x 8.64 x 71.88 cm      |
| Dimensions - Width/Height/Depth (mm)           | 432 x 86 x 719 mm            |
| Dimensions - Width/Height/Depth (in.)          | 17 x 3.4 x 28.3 in           |
| Weight (kg)                                    | 41.91 kg                     |
| Weight (lbs.)                                  | 92.4 lbs.                    |
| SHIPPING DIMENSIONS                            |                              |
| Shipping Dimensions - Width/Height/Depth (cm)  | 59.94 x 33.53 x 109.98 cm    |
| Shipping Dimensions - Width/Height/Depth (mm)  | 599.44 x 335.28 x 1099.82 mm |
| Shipping Dimensions - Width/Height/Depth (in.) | 23.6 x 13.2 x 43.3 in        |
| Shipping Weight (kg)                           | 52.12 kg                     |
| Shipping Weight (lbs.)                         | 114.9 lbs.                   |

| ENVIRONMENTAL                            |                                                                |
|------------------------------------------|----------------------------------------------------------------|
| Audible noise at 1m from surface of unit | 43 dBA to 66 dBA (0% to 100% load)                             |
| Online Thermal Dissipation               | 1051 BTU/hr                                                    |
| Operating Elevation                      | 0 - 10,000 ft (0 - 3,048 m)                                    |
| Operating Relative Humidity              | 0 - 90 % (non-condensing)                                      |
| Operating Temperature                    | 32 - 104 °F (0 - 40 °C)                                        |
| Storage Elevation                        | 0 - 50,000 ft (0 - 15,239 m)                                   |
| Storage Relative Humidity                | 0 - 95 % (non-condensing)                                      |
| Storage Temperature                      | -4 - 113 °F (-20 - 45 °C)                                      |
| CERTIFICATIONS                           |                                                                |
| Environmental                            | RoHS Compliant                                                 |
| Safety                                   | UL1778 5th Ed.<br>CSA C22.2 No.107.3-05<br>FCC Part 15 Class A |
| WARRANTY                                 |                                                                |
| CEG Amount                               | \$300,000                                                      |
| Connected Equipment Guarantee            | Lifetime                                                       |
| Extended Warranty Option                 | WEXT5YR-U20A                                                   |
| Product Warranty                         | 3-Year Limited                                                 |