CyberPower

OL5KRTHD SMART APP ONLINE UPS SERIES

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 EBMs 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
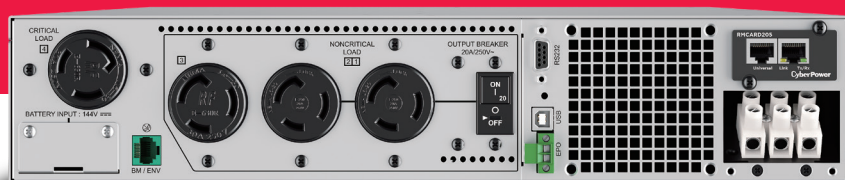- Storage Systems
- VoIP Infrastructure

Features
- 5000 VA / 5000 W
- 2U Rack Size
- Double-conversion Topology
- Sine Wave Output
- Output: 200-240 ±2%
- Hardwire with NEMA L6-30P Plug Power Cord Option
- Outlets: 2 × NEMA L6-20R, 2 × NEMA L6-30R
- USB, Serial, SNMP, EPO ports
- Management software: PowerPanel® Business Edition
- GreenPower UPS™ Eco Power Mode
- Three-Years Limited Warranty

SPECIFICATIONS

GENERAL	
Energy Saving	Yes - ECO Mode Efficiency > 96%
Energy Star Certified	Yes
UPS Topology	Double Conversion

INPUT	
Input Voltage	200-240 VAC
Voltage Range	120 V to 139 V, 0% to 25% load 140 V to 159 V, 0% to 50% load 160 V to 179 V, 0% to 75% load 180 V to 280 V, 0% to 100% load
Frequency Range	40 Hz to 70 Hz (auto-sensing)
Input Power Factor	0.99
Cold Start	Yes

INPUT CONT.	
Backfeed Protection	Yes
Plug Type	Hardwire with NEMA L6-30P Power Cord Option
Cord Length (ft)	10
Cord Length (m)	3

OUTPUT	
VA	5,000 (5 kVA) › w/ Hardwire Terminal 5,000 (5 kVA) - 240VAC › w/ Power cord 5,000 (5 kVA) - 230VAC › w/ Power cord 5,000 (5 kVA) - 220VAC › w/ Power cord 4,850 (4.85 kVA) - 208VAC › w/ Power cord 4,500 (4.5 kVA) - 200VAC › w/ Power cord
Watts	5,000 (5 kW) › w/ Hardwire Terminal 5,000 (5 kW) - 240VAC › w/ Power cord 5,000 (5 kW) - 230VAC › w/ Power cord 5,000 (5 kW) - 220VAC › w/ Power cord 4,850 (4.85 kW) - 208VAC › w/ Power cord 4,500 (4.5 kW) - 200VAC › w/ Power cord

SPECIFICATIONS CONT.

OUTPUT CONT.

Rated Power Factor	1
Waveform (Battery Mode)	Sine wave
Nominal Voltage (Battery Mode)	200, 208, 220, 230, 240 V ±2% (configurable)
Output 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	4
Outlets - Type	(2) NEMA L6-20R, (2) NEMA L6-30R
Overload Protection	Line Mode: 105% to 125% load for 1 min 126% to 150% load for 10 s Battery Mode: 105% to 130% load for 10 s 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)
Transfer Time	0 ms

BATTERY

Runtime at Half Load	6.4 min
Runtime at Full Load	2.3 min
Battery Type	Sealed lead acid
Battery Size	12 V/6 Ah
Battery Quantity	12
User Replaceable	Yes - Qualified Personnel Only
Replacement Battery	(1) RB1260X12
Hot Swappable	Yes
Battery Equalization Technology	Yes
Typical Recharge Time	4 h (0% to 90%)
Smart Battery Management (SBM) Mode	Yes
Extended Battery Module Option	BP144VL2U01

SURGE PROTECTION & FILTERING

Surge Protection	2430 Joules, IEC 61000-4-5 Level 3
EMI/RFI Filtration	Yes

MANAGEMENT & COMMUNICATION

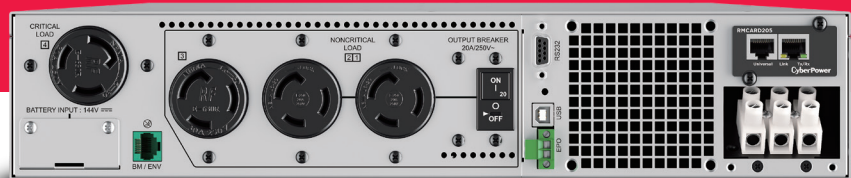|	
LCD Control Panel	Multi-Function Color TFT-LCD Readout that Supports: (15) Types of UPS status, (7) Types of Controls, (20) Types of Set Up, (12) Event Logs, (11) Types of About, (4) Types of Diagnostics
Rotatable LCD Control Panel Option	Yes
Removable LCD Control Panel Option	No
HID Compliant USB Port	Yes
Serial Port	Yes
Emergency Power Off (EPO) Port	Yes
Dry Contacts	No
Management Cable	USB Cable, Serial Cable
LED Indicators	Power On (White)
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
Front Panel Color	Black
Rack Mounting Hardware	Yes
Rack Units	2U

PHYSICAL DIMENSIONS

Weight (lb)	92.4
Weight (kg)	41.91
Dimensions - (WxHxD) (in)	17 x 3.4 x 28.3
Dimensions - (WxHxD) (mm)	432 x 86 x 719
Rail Depth - Max. Mounting (in)	36.02

SPECIFICATIONS CONT.

SHIPPING DIMENSIONS

Dimensions (WxHxD) (in)	23.6 x 8.5 x 43.3
Dimensions (WxHxD) (mm)	599.44 x 215.9 x 1099.82
Weight (lb)	114.6
Weight (kg)	51.98

ENVIRONMENTAL

Operating Temperature	32 °F to 104 °F (0 °C to 40 °C)
Operating Relative Humidity	0% to 90% non-condensing
Operating Elevation	0 ft to 10,000 ft (0 to 3,000 m)
Storage Temperature	-4 °F to 113 °F (-20 °C to 45 °C)
Storage Relative Humidity	0% to 95% non-condensing
Storage Elevation	0 ft to 50,000 ft (0 m to 15,000 m)
UPS Online Thermal Dissipation (100% load)	1186 BTU/h
Audible noise at 1m from surface of unit	43 dBA to 66 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	3 Years Limited
Extended 2-Year Warranty	Optional WEXT5YR-U20A
Connected Equipment Guarantee	Lifetime
CEG Amount	$300,000