CyberPower

OL10KRTHW SMART APP ONLINE UPS SYSTEM

Providing mission-critical enterprise applications maximum power protection.

TThe CyberPower Smart App Online OL10KRTHW is a 6U rack/tower UPS featuring double-conversion topology for seamless power protection, an intuitive maintenance bypass switch design, and a pre-installed RMCARD205. Ensure maximum efficiency and capacity output with a Power Factor rating (PF) of 1. The energy-saving GreenPower UPS™ ECO Mode enables up to 97% efficiency while reducing power consumption and thermal dissipation. Smart battery management charging technology increases battery life up to 50% and replenishes battery charge from 0-90% in five hours.

The OL10KRTHW enhanced LCD control panel functionality provides the ability to change the IP address, view UPS load energy consumptions, and select UPS diagnostic tests.

Variable 4-speed fans provide automatic thermal management, based on power load, to reduce noise. A tamper-proof input circuit breaker ensures power is not turned off unexpectedly during service or maintenance. The OL10KRTHW simplifies installation with a quick start guide, user-friendly lifting straps, and an enhanced hanging rack mount rail system.

The optional BP240VL3U01 Extended Battery Module expands runtime and speeds restoration of full backup power. The OL10KRTHW comes with a three-year warranty (including batteries) and 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 LCD Panel
- Generator Compatibility Mode

SPECIFICATIONS

GENERAL	
UPS Topology	Double Conversion
Energy Saving	Yes - ECO Mode Efficiency up to 97%

INPUT	
Nominal Voltage	200 V to 240 V
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)
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 (Battery Mode)	Sine wave
Nominal Voltage (Battery Mode)	200, 208, 220, 230, 240 V ±2% (configurable)

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: 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), 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 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 51 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) Line Mode (Green) Battery Mode (Yellow) Bypass Mode (Yellow) Fault (Red) 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

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)	4.9
Weight (kg)	2.2
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