CyberPower

OL6KRTHW SMART APP ONLINE UPS SYSTEM

Safeguard mission-critical servers, applications, and network equipment with seamless, double-conversion power protection

The CyberPower Smart App Online OL6KRTHW 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 96% 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 four hours.

The OL6KRTHW 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 OL6KRTHW 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 OL6KRTHW comes with 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 (VMware, Hyper-V, Citrix)
- Storage Systems
- VoIP Infrastructure

Features
- 6,000VA / 6,000W
- Double Conversion Topology
- Sine wave output, zero transfer time
- Maintenance Bypass Switch
- Output: 200-240V UPS
- GreenPower UPS™ ECO Power Mode
- RM205CARD for remote monitoring
- Generator compatibility mode
- Hardwire Outlets / USB, Serial, EPO and Dry Contact Ports
- PowerPanel® Business Edition Management Software

SPECIFICATIONS

GENERAL	
UPS Topology	Double Conversion
Energy Saving	Yes - ECO Mode Efficiency up to 96%

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)
Input Power Factor	0.99

INPUT CONT.	
Cold Start	Yes
Backfeed Protection	Yes
Plug Type	Hardwire

OUTPUT	
VA	6,000 (6 kVA)
Watts	6,000 (6 kW)
Output Power Factor	1
Rated Power Factor	1
Waveform (Battery Mode)	Sine wave

SPECIFICATIONS CONT.

OUTPUT CONT.

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	<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	13 min
Runtime at Full Load	4.4 min
Battery Type	Sealed lead acid
Battery Size	12 V/7 Ah
Battery Quantity	20
User Replaceable	Yes
Replaceable Battery	Yes
Replacement Battery	(2) RB1270X10
Replacement Battery Cartridge Quantity	2
Hot Swappable	Yes
Typical Recharge Time	4 h (0% to 90%)
Smart Battery Management (SMB) Mode	Yes
Extended Battery Module	Optional BP240VL3U01

SURGE PROTECTION & FILTERING

Surge Protection	2430 Joules, IEC 61000-4-5 Level 3
Phone / Network Surge Protection RJ11/RJ45	1-In / 1-Out (Combo)
EMI/RFI Filtration	Yes

MANAGEMENT & 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
Color	Black
Mounting Hardware Included	Yes
Rack Mounting Hardware	Included
Rack Units	6U
Weight (lb)	230.56
Weight (kg)	104.58

SPECIFICATIONS CONT.

PHYSICAL CONT.

Dimensions - (WxHxD) (in)	17.05 x 10.4 x 32.3 (in)
Dimensions - (WxHxD) (mm)	433 x 264 x 820 (mm)
Rail Depth - Max. Mounting (in)	36.02
Rail Depth - Max. Mounting (mm)	915
Rail Depth - Min. Mounting (in)	20.47
Rail Depth - Min. Mounting (mm)	520

PHYSICAL - POWER MODULE

Dimensions (WxHxD, in)	17.05 x 5.2 x 26
Dimensions (WxHxD, mm)	433 x 132 x 660
Rack Units	3U
Weight (lb)	52.8
Weight (kg)	24

PHYSICAL - BATTERY MODULE

Dimensions (WxHxD, in)	17.05 x 5.2 x 26
Dimensions (WxHxD, mm)	433 x 132 x 660
Rack Units	3U
Weight (lb)	167.2
Weight (kg)	76

PHYSICAL - MAINTENANCE BYPASS MODULE

Dimensions (WxHxD, in)	7.8 x 5.2 x 6.3
Dimensions (WxHxD, mm)	198 x 132 x 160
Rack Units	3U
Weight (lb)	4.9
Weight (kg)	2.2

SHIPPING DIMENSIONS

Dimensions (WxHxD, in)	25.6 x 44.1 x 24.4 (in)
Dimensions (WxHxD, mm)	650.24 x 1120.14 x 619.76 (mm)
Weight (lb)	284.9
Weight (kg)	129.23

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)
ECO Mode Thermal Dissipation (100% Load)	809 BTU/h
UPS Online Thermal Dissipation (100% load)	2125 BTU/h
Audible noise at 1m from surface of unit	38 dBA to 65 dBA (0% to 100% load)

CERTIFICATIONS

Safety	CSA C22.2 NO.107.3-05 FCC Part 15 Class A UL 1778 5th Ed.
Environmental	RoHS Compliant

WARRANTY

Product Warranty	3 Years Limited
Extended 2-Year Warranty	Optional WEXT5YR-U20A
Connected Equipment Guarantee	Lifetime
CEG Amount	$300,000