CyberPower

OL6KRTHDL
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 OL6KRTHDL high-density design offers more power and longer run times. The OL6KRTHDL 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 OL6KRTHDL 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
- Enterprise Servers
- Corporate Servers

FEATURES
- Capacity: 6000 VA / 6000 W
- High Density: 3U Size
- Power Factor (PF): 1
- Topology: Double-Conversion
- Waveform: Sine Wave
- Output: 200, 208, 220, 230, 240 VAC User Configurable +/-2%
- Runtime (half/full): 10.4 minutes / 3.1 minutes
- Plug type & cord: Pre-Installed 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
- Warranty: Three-Year
- Connected Equipment Guarantee: $300,000

OL6KRTHDL
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) NEMA L6-30P
Input Power Factor	0.99
Input Voltage Range	120 VAC - 139 VAC for 0–25% Load
	140 VAC - 159 VAC for 0-50% Load
	160 VAC - 179 VAC for 0–75% Load
	180 VAC - 280 VAC for 0–100% Load
Nominal Input Voltage	200 - 240 VAC

OUPUT	
Bypass	Internal Bypass (Automatic and Manual)
Crest Factor	3:1
ECO Mode Voltage Regulation	+/-10%, +/-15% (configurable)
Harmonic Distortion	< 3% at Linear Load < 5% at Non-Linear Load
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 - NEMA L6-20R 2 - NEMA L6-30R
Outlets - Total	4
Output Power Factor	1
Short Circuit Protection	UPS Output Cut off Immediately Input Fuse / Circuit Breaker Protection
Typical Transfer Time	0ms
VA	6000 VA
VA by Input Type	6,000 (6 kVA) →w/ Hardwire Terminal
	5,400 (5.4 kVA) - 240VAC →w/ Power cord
	5,400 (5.4 kVA) - 230VAC →w/ Power cord
	5,100 (5.1 kVA) - 220VAC →w/ Power cord
	4,850 (4.85 kVA) - 208VAC →w/ Power cord
	4,500 (4.5 kVA) - 200VAC →w/ Power cord

OL6KRTHDL
SMART APP ONLINE UPS

SPECIFICATIONS - CONT.

OUPUT - CONT.

Watts	6000 W
Watts by Input Type	6,000 (6 kW) →w/ Hardwire Terminal 5,400 (5.4 kW) - 240VAC →w/ Power cord 5,400 (5.4 kW) - 230VAC →w/ Power cord 5,100 (5.1 kW) - 220VAC →w/ Power cord 4,850 (4.85 kW) - 208VAC →w/ Power cord 4,500 (4.5 kW) - 200VAC →w/ Power cord

BATTERY

Battery Equalization Technology	Yes
Battery Quantity	12
Battery Size	12 V / 9 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 RB1290X12
Runtime at Full Load	3.1 min.
Runtime at Half Load	10.4 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

MANAGEMENT & COMMUNICATIONS - CONT.

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

OL6KRTHDL
SMART APP ONLINE UPS

SPECIFICATIONS - CONT.

PHYSICAL

Chassis Color	Unpainted
Form Factor	Rack/Tower
Front Panel Color	Black
Material of Construction	Metal
Mounting Hardware	Yes
Rack Height	3U

DIMENSIONS

Dimensions - Width/Height/Depth (cm)	43.18 x 12.95 x 71.88 cm
Dimensions - Width/Height/Depth (mm)	432 x 130 x 719 mm
Dimensions - Width/Height/Depth (in.)	17 x 5.1 x 28.3 in
Weight (kg)	53.52 kg
Weight (lbs.)	118.0 lbs.

SHIPPING DIMENSIONS

Shipping Dimensions - Width/Height/Depth (cm)	59.94 x 28.96 x 109.98 cm
Shipping Dimensions - Width/Height/Depth (mm)	599.44 x 289.56 x 1099.82 mm
Shipping Dimensions - Width/Height/Depth (in.)	23.6 x 11.4 x 43.3 in
Shipping Weight (kg)	65.32 kg
Shipping Weight (lbs.)	144.0 lbs.

ENVIRONMENTAL

Audible noise at 1m from surface of unit	43 dBA to 66 dBA (0% to 100% load)
Online Thermal Dissipation	1613 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 CSA C22.2 No.107.3 FCC Part 15 Class A

WARRANTY

CEG Amount	$300,000
Connected Equipment Guarantee	Lifetime
Extended Warranty Option	WEXT5YR-U20B
Product Warranty	3-Year Limited