



OL6KRT SMART APP ONLINE UPS



Providing mission-critical enterprise applications maximum power protection

The CyberPower Smart App Online OL6KRT is a 6U rack/tower UPS with double-conversion. It provides sine wave output to multiple types of critical IT infrastructure requiring seamless power protection. The OL6KRT is generator compatible and delivers consistent 200-240 V power with zero-transfer time. Automatic-bypass ensures connected equipment continues to operate seamlessly when an overload or internal fault is detected.

The OL6KRT features a removable LCD control panel to reposition it in a more convenient location (with optional DB-26 cable), and it has a RMCARD205 pre-installed network card. Smart-battery management charging technology increases battery life by up to 50%. Fast-charge technology helps replenish battery charge from 0-90% in four hours, regardless of the number of Extended Battery Modules (EBM) connected. The energy-saving GreenPower UPS™ ECO Mode allows the UPS to reach up to 96% efficiency to reduce power consumption and thermal dissipation.

This UPS can use the BP240V30ART3U or BP240VL3U01 extended battery module for more runtime. The OL6KRT comes with a three-year warranty (including batteries) and a \$300,000 connected equipment guarantee.

TYPICAL APPLICATIONS

- Server Virtualization Infrastructures (VMware, Hyper-V, Citrix)
- Hyperconverged Infrastructure (HCI)
- Server Rooms
- Core Network Equipment
- Storage Systems
- VoIP Infrastructure
- Enterprise Servers
- Corporate Servers

FEATURES

- Capacity: 6,000 VA / 5,400 W
- Output Power Factor (PF): 0.9
- Topology: Double-Conversion
- Waveform: Sine Wave
- Output: 200, 208, 220, 230, 240 V +/-2% User Configurable
- Runtime (half/full): 15 minutes / 5.4 minutes
- Plug type & cord: NEMA L6-30P, 10-ft cord
- Outlets: 4
- Outlet types: 2 x NEMA L6-20R, 2 x NEMA L6-30R
- Communication ports: USB, Serial, Ethernet, Relay, EPO
- Data line surge protection: Yes, 1 x RJ-45 In/Out
- Management software: PowerPanel® Business Edition
- Energy saving: ECO Mode Efficiency up to 96%
- Remote management: Yes, RMCARD205 pre-installed
- Smart Battery Management: Yes
- Fast Charge Technology: Yes
- Environmental sensor: Optional
- Warranty: Three-Year Limited
- Connected Equipment Guarantee: \$300,000

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SPECIFICATIONS

GENERAL	
Energy Saving	ECO Mode Efficiency >96%
UPS Topology	Online Double Conversion
INPUT	
Backfeed Protection	Yes
Circuit Breaker	30 A
Cold Start	Yes
Cord Length	10 ft. (3.0 m)
Input Frequency Range	40 Hz - 70 Hz
Input Plug Type	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
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
OUTPUT	
Bypass	Internal Bypass (Automatic and Manual)
Crest Factor	3:1
ECO Mode Voltage Regulation	+/-10%, +/-15% (configurable)

OUTPUT - CONT.	
Harmonic Distortion	< 3% at Linear Load < 5% at Non-Linear Load
Nominal Output Voltage	198 - 292 VAC 206 - 210 VAC 218 - 222 VAC 228 - 232 VAC 238 - 242 VAC
On Battery Voltage	200/208/220/230/240 VAC +/- 2% (configurable)
On Battery Waveform	Sine Wave
Outlet Type	2 x NEMA L6-20R 2 x NEMA L6-30R
Outlets - Total	4
Output Frequency	49.75/50.25 Hz (auto-sensing/configurable) 59.75/60.25 Hz (auto-sensing/configurable)
Output Power Factor	0.9
Short Circuit Protection	UPS Output Cut off Immediately Input Fuse / Circuit Breaker Protection
Typical Transfer Time	0 ms
VA	6000 VA
VA by Input Type	6,000 (6 kVA) at 220, 230, 240 V input 5,400 (5.4 kVA) at 208 V input 4,800 (4.8 kVA) at 200 V input
Watts	5400 W
Watts by Input Type	5,400 (5.4 kW) at 220, 230, 240 V input 4,860 (4.86 kW) at 208 V input 4,320 (4.32 kW) at 200 V input

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SPECIFICATIONS - CONT.

BATTERY	
Battery Quantity	20
Battery Size	12 V / 7 Ah
Battery Type	Sealed Lead-Acid Battery
Extended Battery Module	BP240VL3U01
Hot-Swappable	Yes
Replacement Battery Cartridge	2 x RB1270X10
Runtime at Full Load	5.4 min.
Runtime at Half Load	15 min.
Smart Battery Management (SBM) Mode	Yes
Typical Recharge Time	4 Hours (0% to 90% charged)
User Replaceable Battery	Yes
SURGE PROTECTION & FILTERING	
EMI/RFI Filtration	Yes
Phone / Network Protection RJ11/RJ45	1-In / 1-Out (Combo)
Surge Suppression	2430 J
MANAGEMENT & COMMUNICATIONS	
Audible Alarms	Battery Mode Low Battery Overload UPS Fault
Dry Contacts	Yes
Emergency Power Off (EPO) Port	Yes
Expansion Slot	Yes - RMCARD205 pre-installed
HID Compliant USB Port	Yes
LCD	Multifunction LCD
LED Indicators	Power On (White) Line Mode (Green) Battery Mode (Yellow) Bypass Mode (Yellow) Fault (Red) Replace Battery (Red)

MANAGEMENT & COMMUNICATIONS - CONT.	
Management Cable	USB Cable
Removable LCD Control Panel Option	Yes - Requires DB26 cable (not included)
Rotatable LCD Control Panel Option	Yes
Serial Port	1 Serial
Software (Free Download)	PowerPanel® Business
Upgradeable Firmware	Yes
PHYSICAL	
Color	Black
Form Factor	Rack/Tower
Material of Construction	Metal
Mounting Hardware	Yes
Rack Height	6U
DIMENSIONS	
Dimensions - Width/Height/Depth (cm)	43.18 x 26.67 x 66.04 cm
Dimensions - Width/Height/Depth (mm)	432 x 267 x 660 mm
Dimensions - Width/Height/Depth (in.)	17 x 10.5 x 26 in
Weight (kg)	100.79 kg
Weight (lbs.)	222.2 lbs.
SHIPPING DIMENSIONS	
Shipping Dimensions - Width/Height/Depth (cm)	61.93 x 52.07 x 91.44 cm
Shipping Dimensions - Width/Height/Depth (mm)	619.25 x 520.7 x 914.4 mm
Shipping Dimensions - Width/Height/Depth (in.)	24.38 x 20.5 x 36 in
Shipping Weight (kg)	125.01 kg
Shipping Weight (lbs.)	275.6 lbs.

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SPECIFICATIONS - CONT.

ENVIRONMENTAL	
Audible noise at 1m from surface of unit	38 dBA to 65 dBA (0% to 100% load)
ECO Mode Thermal Dissipation	728 BTU/hr
Online Thermal Dissipation	1912 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. CSA C22.2 No.107.3-05 FCC Part 15 Class A
WARRANTY	
CEG Amount	\$300,000
Connected Equipment Guarantee	Lifetime
Extended Warranty Option	WEXT5YR-U20A
Product Warranty	3-Year Limited