CyberPower

OL8KRT SMART APP ONLINE UPS SYSTEM

Providing mission-critical enterprise applications maximum power protection.

The CyberPower Smart App Online OL8KRT is a 6U rack/tower double-conversion UPS. It provides sine wave output to multiple types of critical IT infrastructure requiring seamless power protection. The OL8KRT 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 OL8KRT 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 five 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 OL8KRT 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
- 8,000 V / 8,000 W
- Double Conversion Topology
- Sine Wave Output, Zero Transfer Time
- Output: 200-240 V
- GreenPower UPS™ ECO Mode
- Removable LDC Control Panel
- Generator Compatibility Mode

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)
Power Factor	0.99

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

OUTPUT	
VA	8,000 (8 kVA)
Watts	8,000 (8 kW)
Power Factor	1
Waveform (Battery Mode)	Sine wave

SPECIFICATIONS CONT.

OUTPUT CONT.

Nominal Voltage (Battery Mode)	200, 208, 220, 230, 240 V ±2% (configurable)
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
Outlet Type	(3) NEMA L6-30R, (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)
Transfer Time	0 ms

BATTERY

Runtime at Half Load	12 min
Runtime at Full Load	4.7 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 BP240V30ART3U or BP240VL3U01

SURGE PROTECTION AND FILTERING

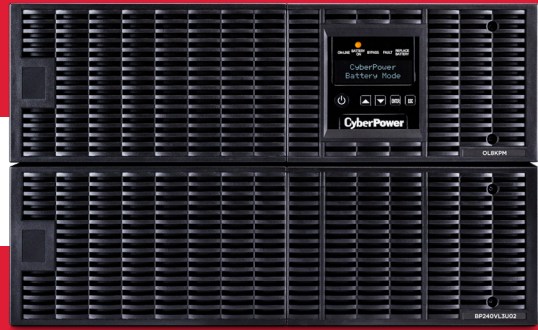|	
Surge Protection	2430 Joules, IEC 61000-4-5 Level 3
Phone / Network Surge Protection RJ11/RJ45	1-In/1-Out (Combo)
EMI/RFI Filtration	Yes

MANAGEMENT AND COMMUNICATION

LCD Control Panel	Access 50 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
Upgradeable Firmware	Yes
Expansion Slot	Yes - RMCARD205 pre-installed

PHYSICAL

Form Factor	Rack / Tower Convertible (rotatable LCD)
Enclosure Construction	Steel
Rack Mounting Hardware	Included

SPECIFICATIONS CONT.

PHYSICAL CONT.

Dimensions (WxHxD, in)	17 x 10.5 x 26
Dimensions (WxHxD, mm)	433 x 266 x 660
Weight (lb)	225.5
Weight (kg)	102.5
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

SHIPPING DIMENSIONS

Dimensions (WxHxD, in)	23.62 x 25.12 x 35.43
Dimensions (WxHxD, mm)	600 x 638 x 900
Weight (lb)	279.4
Weight (kg)	126.7

ENVIRONMENTAL

Operating Temperature	32°F to 104°F (0°C to 40°C)
Operating Relative Humidity	0% to 90% (non-condensing)

ENVIRONMENTAL CONT.

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)	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-U20B
Connected Equipment Guarantee	Lifetime
CEG Amount	$300,000