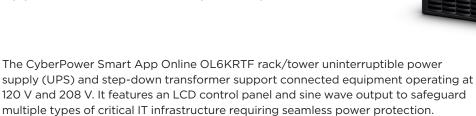# CyberPower

OL6KRTF SMART APP ONLINE UPS SYSTEM

Providing mission-critical enterprise applications maximum power protection.

The CyberPower Smart App Online OL6KRTF rack/tower uninterruptible power supply (UPS) and step-down transformer support connected equipment operating at 120 V and 208 V. It features an LCD control panel and sine wave output to safeguard multiple types of critical IT infrastructure requiring seamless power protection.

Its double conversion topology is generator compatible and delivers consistent and clean AC power with zero transfer time, protecting connected equipment and preventing costly business interruptions.

The OL6KRTF features a removable LCD control panel to reposition it to a more convenient location (with optional DB-26 cable). Smart Battery Management charging technology increases battery life by up to 50%. Fast Charge Technology helps replenish battery charge from 0-90% in 4 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. A Three-Year Warranty ensures this UPS has passed our highest quality standards in design, assembly, material or workmanship and further protection is offered by 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
- 6,000 V/5,400 W
- Double Conversion Topology
- Sine Wave Output, Zero Transfer Time
- Output: 120 V and 208 V
- GreenPower UPS™ ECO Mode
- Removable LCD Control Panel
- Generator 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	NEMA L6-30P
Cord Length (ft)	10
Cord Length (m)	3

OUTPUT	
VA	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

SPECIFICATIONS CONT.

OUTPUT CONT.

Watts	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
Power Factor	0.9
Waveform (Battery Mode)	Sine wave
Nominal Voltage (Battery Mode)	120 V; 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	10
Outlet Type	(6) NEMA 5-20R, (2) NEMA L6-20R, (1) 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	15 min
Runtime at Full Load	5.4 min
Battery Type	Sealed lead acid
Battery Size	12 V/7 Ah
Battery Quantity	20
Replaceable	Yes
Replacement Battery	(2) RB1270X10

BATTERY CONT.

Hot Swappable	Yes
Typical Recharge Time	4 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

SPECIFICATIONS CONT.

PHYSICAL

Form Factor	Rack / Tower Convertible (rotatable LCD)
Enclosure Contruction	Steel
Rack Mounting Hardware	Included
Dimensions (WxHxD, in)	17 x 14 x 26
Dimensions (WxHxD, mm)	433 x 355.6 x 660
Weight (lb)	317.7
Weight (kg)	144.4
Rack Units	8U
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 x 5.25 x 26
Dimensions (WxHxD, mm)	433 x 132 x 660
Weight (lb)	55
Weight (kg)	24.95
Rack Units	3U

PHYSICAL - BATTERY MODULE

Dimensions (WxHxD, in)	17 x 5.25 x 26
Dimensions (WxHxD, mm)	433 x 132 x 660
Weight (lb)	167.2
Weight (kg)	76
Rack Units	3U

PHYSICAL - STEP-DOWN TRANSFORMER

Dimensions (WxHxD, in)	17 x 3.5 x 24
Dimensions (WxHxD, mm)	433 x 88.9 x 600

PHYSICAL - STEP-DOWN TRANSFORMER CONT.

Weight (lb)	95.5
Weight (kg)	43.4
Rack Units	2U

SHIPPING DIMENSIONS

Dimensions (WxHxD, in)	23.62 x 38.1 x 35.43
Dimensions (WxHxD, mm)	600 x 968 x 900
Weight (lb)	410
Weight (kg)	186

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)
UPS Online Thermal Dissipation (100% load)	1912 BTU/h
ECO Mode Thermal Dissipation (100% load)	728 BTU/h
STF Thermal Dissipation (100% load)	1379 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	3 Years Limited
Extended 2-Year Warranty	Optional WEXT5YR-U20B
Connected Equipment Guarantee	Lifetime
CEG Amount	$300,000