

CyberPower

OL1500RTL2U SMART APP ONLINE UPS



Prevent business interruptions and safeguard mission-critical enterprise network equipment.

The CyberPower OL1500RTL2U is a rack/tower UPS with double conversion topology. It provides sine wave output to critical applications and equipment that require seamless power correction. The Extended Battery Module (EBM) expands runtime, and Fast Charge Technology restores full backup power faster. This model comes with an extendable LCD control panel, Smart Battery Management charging technology, and energy-saving GreenPower UPS™ ECO Mode.

The OL1500RTL2U offers generator compatibility and delivers clean AC power with zero transfer time. Its sine wave output keeps sensitive equipment working by preventing unnecessary shutdowns that can occur with simulated sine wave output.

With a \$400,000 lifetime connected equipment guarantee and a three-year warranty, you can trust CyberPower's commitment to high quality.

TYPICAL APPLICATIONS

- Corporate and Enterprise Servers
- Network and Storage Devices
- Edge Closets
- PBX and VoIP Installations

FEATURES

- 1500 VA / 1350 W
- Double Conversion Topology
- Sine wave output, zero transfer time
- Configurable Output - 100, 110, 115, 120, 125 V, 50/60 Hz
- GreenPower UPS™ ECO Mode
- Expansion Slot
- 2U Rack Mount/Tower Convertible
- Outlets: (8) NEMA 5-15R
- PowerPanel® Business Edition Management Software

SPECIFICATIONS

GENERAL

UPS Topology	Double Conversion
Energy Saving	Yes, ECO Mode Efficiency >95%
Energy Star Qualified	Yes

INPUT

Nominal Voltage	100 V to 125 V
Voltage Range	60 V to 69 V, 0% to 60% load 70 V to 79 V, 0% to 70% load 80 V to 89 V, 0% to 80% load 90 V to 95 V, 0% to 90% load 96 V to 150 V, 0% to 100% load
Frequency Range	40 Hz to 70 Hz (auto-sensing)
Power Factor	0.99
Cold Start	Yes

INPUT - CONT.

Plug Type	NEMA 5-15P
Cord Length (ft)	10
Cord Length (m)	3

OUTPUT

VA	1500 (1.5 kVA) at 120, 125 V 1350 (1.35 kVA) at 115, 110 V 1200 (1.2 kVA) at 100 V
Watts	1350 (1.35 kW) at 120, 125 V 1215 (1.215 kW) at 115, 110 V 1080 (1.08 kW) at 100 V
Power Factor	0.9
Waveform (Battery Mode)	Sine wave
Nominal Voltage (Battery Mode)	100, 110, 115, 120, 125 V ±2% (configurable)

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SPECIFICATIONS CONT.

OUTPUT - CONT.

Frequency	50/60 Hz \pm 0.25 Hz (auto-sensing/configurable)
ECO Mode Bypass Voltage Range	\pm 10%, \pm 15% (configurable)
Harmonic Distortion (THD)	<3% at linear load, <5% at non-linear load
Crest Factor	3:1
Outlets - Total	8
Outlet Type	(8) NEMA 5-15R
Overload Protection	Line Mode: 105% to 125% load for 1 min 126% to 150% load for 10 sec Battery Mode: 105% to 130% load for 10 sec 131% to 150% load for 2 sec
Short Circuit Protection	UPS output cut off immediately or input fuse / circuit breaker protection
Bypass	Internal bypass (automatic and manual)
Maintenance Bypass	Optional MBP15A6
Transfer Time	0ms

BATTERY

Runtime at Half Load	11 min
Runtime at Full Load	3.4 min
Battery Type	Sealed lead acid
Battery Size	12 V/9 Ah
Battery Quantity	3
Replaceable	Yes
Replacement Battery	RB1290X3L
Hot Swappable	Yes
Typical Recharge Time	4 h (0% to 90%)
Smart Battery Management (SMB) Mode	Yes
Extended Battery Module (EBM)	Optional BP36V60ART2U

SURGE PROTECTION & FILTERING

Surge Protection	1780 Joules, per IEC 61000-4-5 Level 3
Phone RJ-11 / Ethernet Surge Protection RJ-45	1-In / 1-Out (combo)
EMI/RFI Filtration	Yes

MANAGEMENT & COMMUNICATIONS

LCD	Multifunction LCD
Rotatable LCD Control Panel	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
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, requires RMCARD205
Expansion Slot	Yes, for optional RMCARD205 or RELAYIO500

PHYSICAL

Form Factor	Rack / Tower Convertible (Rotatable LCD)
Enclosure Construction	Steel
Rack Mounting Hardware	Included
Physical Dimensions - (WxHxD) (cm)	43.18 x 8.89 x 42.93 (cm)
Physical Dimensions - (WxHxD) (in)	17 x 3.5 x 16.9 (in)

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SPECIFICATIONS CONT.

PHYSICAL - CONT.

Dimensions (WxHxD, mm)	432x 89x 429 (mm)
Weight (kg)	17.96
Weight (lb)	39.6
Rack Units	2U

SHIPPING DIMENSIONS

Shipping - Dimensions (WxHxD, in)	21.5 x 9.14 x 22.5 (in)
Shipping - Dimensions (WxHxD, mm)	546.1 x 232.16 x 571.5 (mm)
Shipping - Weight (lb)	55.0
Shipping - Weight (kg)	24.95

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 10000 ft (0 m to 3000 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 50000 ft (0 to 15000 m)
Online Thermal Dissipation (100% Load)	478 BTU/h
ECO Mode Thermal Dissipation (100% Load)	207 BTU/h
Audible noise at 1.5M from surface of unit	38 dBA to 55 dBA (0% to 100% load)

CERTIFICATIONS

Safety	UL 1778 CSA C22.2 NO.107.3 FCC Part 15 Class B
Environmental	RoHS Compliant

WARRANTY

Product Warranty	3 Years Limited
Extended 2-Year Warranty	Optional WEXT5YR-U4A
Connected Equipment Guarantee	Lifetime
CEG Amount	\$400,000