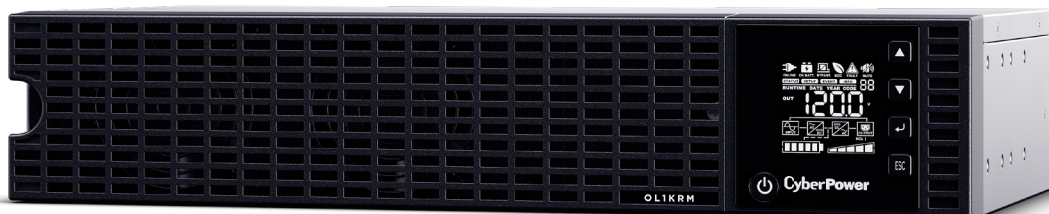# CyberPower

OL1KRM
ESSENTIAL ONLINE UPS

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

The CyberPower Essential Online OL1KRM is a rack mounted 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 Smart Battery Management charging technology, and energy-saving GreenPower UPS™ ECO Mode.

The OL1KRM 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

- Core Network Equipment
- Hyperconverged Infrastructure (HCI)
- Server Rooms
- Server Virtualization Infrastructures
- Storage Systems
- VoIP Infrastructure
- Enterprise Servers
- Corporate Servers

FEATURES

- Capacity: 1000 VA / 800 W
- Power Factor (PF): 0.8
- Topology: Double-Conversion
- Waveform: Sine Wave
- Output: 100, 110, 115, 120, 125 V +/- 2% (configurable)
- Plug Type & Cord: NEMA 5-15P, 10-ft. cord
- Outlet Types: 8 × NEMA 5-15R
- Monitoring & Management: USB, Serial, SNMP, EPO
- Management Software: PowerPanel® Business Edition
- Energy Saving: ECO Mode Efficiency >96%
- Warranty: Three-Year

SPECIFICATIONS

GENERAL	
Active PFC Compatible	Yes
Dual Power Inputs	No
Energy Saving	ECO Mode Efficiency >96%
Energy Star Certified	Yes
Parallel Expansion (Max. Units)	0
UPS Topology	Online Double Conversion

INPUT	
Backfeed Protection	Yes
Cold Start	Yes
Cord Length	10 ft. (3.0 m)
Input Frequency Range	40 Hz – 70 Hz
Input Plug Type	NEMA 5-15P
Input Power Factor	0.99
Input Voltage	100 - 125 VAC

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SPECIFICATIONS CONT.

INPUT - CONT.	
Input Voltage Range	60 VAC - 69 VAC for 0–60% Load
	70 VAC - 79 VAC for 0–70% Load
	80 VAC - 89 VAC for 0–80% Load
	90 VAC - 95 VAC for 0–90% Load
	96 VAC - 150 VAC for 0–100% Load
Phase	Single Phase
Plug Style	Straight
Synchronization-Window (Selectable)	+/-0.5Hz - +/-5Hz

OUTPUT	
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
Maintenance Bypass	No
On Battery Frequency	50/60 Hz +/-0.25Hz (auto-sensing or configurable)
On Battery Voltage	100 / 110 / 115 / 120 / 125 VAC +/-2% (configurable)
On Battery Waveform	Sine Wave
Outlet Type	8 x NEMA 5-15R
Outlets - Total	8
Output Frequency	50/60 Hz (auto-sensing/configurable)
Output Power Factor	0.8

OUTPUT - CONT.	
Overload Protection	Line Mode: 102% to 130% load for 12s - bypass
	Line Mode: 131% to 150% load for 2s - bypass
	>150% load 300ms - no output
	Battery Mode: 102% to 130% load for 12s - shutdown
	Battery Mode: >130% for 2s - shutdown
	Bypass Mode: 102% to 110% warning
	Bypass Mode: 111% to 130% load for 5min - no output
	Bypass Mode: 131% to 150% 16s - no output
	>150% for 300ms - no output
Short Circuit Protection	UPS Output Cut Off Immediately or Input Fuse / Circuit Breaker Protection
Typical Transfer Time	0 ms
VA	1000 VA
Watts	800 W

BATTERY	
Battery Quantity	2
Battery Size	12 V / 7 Ah
Battery Type	Sealed Lead Acid
Extended Battery Module	BP24VL2U02
Hot-Swappable	Yes
Replacement Battery	1 x RB1270X2G
Runtime at Full Load	4 min
Runtime at Half Load	11.5 min
Typical Recharge Time	4 hours (0% to 90% charged)
User-Replaceable Battery	Yes

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SPECIFICATIONS CONT.

SURGE PROTECTION & FILTERING

EMI/RFI Filtration	Yes
Surge Suppression	710 J

MANAGEMENT & COMMUNICATIONS

Audible Alarms	Battery Mode, Battery Low, Overload, UPS Fault
Dry Contacts	No
Emergency Power Off (EPO) Port	Yes
Expansion Slot	Yes – with optional RMCARD205 or RELAYIO500
HID Compliant USB Port	Yes
LCD	Multifunction LCD
LED Indicators	Power On (white)
Management Cable	USB Cable, Serial Cable
Removable LCD Control Panel Option	No
Rotatable LCD Control Panel Option	No
Serial Port	1 Serial
SNMP / HTTP Remote Monitoring	Yes - with optional RMCARD205
Software	PowerPanel® Business
Upgradeable Firmware	Yes

PHYSICAL

Color	Silver
Form Factor	Rackmount
Material of Construction	Metal
Mounting Hardware	Yes
Rack Height	2U

PHYSICAL DIMENSIONS

Physical Dimensions - Width/Height/Depth (cm)	43.31 x 8.66 x 28.5 cm
Physical Dimensions - Width/Height/Depth (mm)	433 x 87 x 285 mm
Physical Dimensions - Width/Height/Depth (in.)	17.05 x 3.41 x 11.22 in.
Weight (kg)	12.0 kg
Weight (lb)	26.46 lbs.

SHIPPING DIMENSIONS

Shipping Dimensions - Width/Height/Depth (cm)	56.01 x 24.0 x 38.99 cm
Shipping Dimensions - Width/Height/Depth (mm)	560.07 x 240.03 x 389.89 mm
Shipping Dimensions - Width/Height/Depth (in.)	22.05 x 9.45 x 15.35 in.
Shipping Weight (kg)	15.8 kg
Shipping Weight (lbs.)	34.83 lbs.

ENVIRONMENTAL

Audible noise at 1m from surface of unit	18.1 dBA to 42.8 dBA (0 to 100% load)
ECO Mode Thermal Dissipation	99 BTU/hr
Online Thermal Dissipation	245 BTU/hr
Operating Elevation	0 - 9,843 ft (0 - 3,000 m)
Operating Relative Humidity	0% to 90% non-condensing
Operating Temperature	32 °F to 104 °F (0 °C to 40 °C)
Storage Elevation	0 - 49,213 ft (0 - 14,999 m)
Storage Relative Humidity	0% to 95% non-condensing
Storage Temperature	5 °F to 113 °F (-15 °C to 45 °C)

CERTIFICATIONS

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

WARRANTY

CEG Amount	$400,000
Connected Equipment Guarantee	Lifetime
Extended Warranty Option	WEXT5YR-U4A
Product Warranty	3-Year Limited