



# OL1K5RM ESSENTIAL ONLINE UPS



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

The CyberPower Essential Online OL1K5RM 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 OL1K5RM 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: 1500 VA / 1200 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 x 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	1500 VA
Watts	1200 W

#### BATTERY

Battery Quantity	3
Battery Size	12 V / 7 Ah
Battery Type	Sealed Lead Acid
Extended Battery Module	BP36VL2U02
Hot-Swappable	Yes
Replacement Battery	1 x RB1270X3B
Runtime at Full Load	4.7 min
Runtime at Half Load	13.5 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 37.49 cm
Physical Dimensions - Width/Height/Depth (mm)	433 x 87 x 375 mm
Physical Dimensions - Width/Height/Depth (in.)	17.05 x 3.41 x 14.76 in.
Weight (kg)	16.2 kg
Weight (lb)	35.71 lbs.

SHIPPING DIMENSIONS	
Shipping Dimensions - Width/Height/Depth (cm)	56.01 x 24.0 x 48.01 cm
Shipping Dimensions - Width/Height/Depth (mm)	560.07 x 240.03 x 480.06 mm
Shipping Dimensions - Width/Height/Depth (in.)	22.05 x 9.45 x 18.9 in.
Shipping Weight (kg)	20.0 kg
Shipping Weight (lbs.)	44.09 lbs.
ENVIRONMENTAL	
Audible noise at 1m from surface of unit	17.3 dBA to 47.6 dBA (0 to 100% load)
ECO Mode Thermal Dissipation	141 BTU/hr
Online Thermal Dissipation	328 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