

# CyberPower

## 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		INPUT	
Active PFC Compatible	Yes	Backfeed Protection	Yes
Dual Power Inputs	No	Cold Start	Yes
Energy Saving	ECO Mode Efficiency >96%	Cord Length	10 ft. (3.0 m)
Energy Star Certified	Yes	Input Frequency Range	40 Hz - 70 Hz
Parallel Expansion (Max. Units)	0	Input Plug Type	NEMA 5-15P
UPS Topology	Online Double Conversion	Input Power Factor	0.99
		Input Voltage	100 - 125 VAC

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## SPECIFICATIONS CONT.

INPUT - CONT.		OUTPUT - 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	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
Phase	Single Phase		
Plug Style	Straight		
Synchronization-Window (Selectable)	+/-0.5Hz - +/-5Hz	OUTPUT	
Bypass	Internal Bypass (Automatic and Manual)	BYPASS	
Crest Factor	3 : 1	UPS Output Cut Off Immediately or Input Fuse / Circuit Breaker Protection	
ECO Mode Voltage Regulation	+/-10%, +/-15% (Configurable)	Typical Transfer Time	
Harmonic Distortion	< 3% at Linear Load < 5% at Non-Linear Load	0 ms	
Maintenance Bypass	No	VA	
On Battery Frequency	50/60 Hz +/-0.25Hz (auto-sensing or configurable)	1500 VA	
On Battery Voltage	100 / 110 / 115 / 120 / 125 VAC +/-2% (configurable)	Watts	
On Battery Waveform	Sine Wave	1200 W	
Outlet Type	8 x NEMA 5-15R	BATTERY	
Outlets - Total	8	Battery Quantity	
Output Frequency	50/60 Hz (auto-sensing/configurable)	3	
Output Power Factor	0.8	Battery Size	
		12 V / 7 Ah	
		Battery Type	
		Sealed Lead Acid	
		Extended Battery Module	
		BP36VL2UO2	
		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		SHIPPING DIMENSIONS	
EMI/RFI Filtration	Yes	Shipping Dimensions - Width/Height/Depth (cm)	56.01 x 24.0 x 48.01 cm
Surge Suppression	710 J	Shipping Dimensions - Width/Height/Depth (mm)	560.07 x 240.03 x 480.06 mm
MANAGEMENT & COMMUNICATIONS		ENVIRONMENTAL	
Audible Alarms	Battery Mode, Battery Low, Overload, UPS Fault	Audible noise at 1m from surface of unit	17.3 dBA to 47.6 dBA (0 to 100% load)
Dry Contacts	No	ECO Mode Thermal Dissipation	141 BTU/hr
Emergency Power Off (EPO) Port	Yes	Online Thermal Dissipation	328 BTU/hr
Expansion Slot	Yes - with optional RMCARD205 or RELAYIO500	Operating Elevation	0 - 9,843 ft (0 - 3,000 m)
HID Compliant USB Port	Yes	Operating Relative Humidity	0% to 90% non-condensing
LCD	Multifunction LCD	Operating Temperature	32 °F to 104 °F (0 °C to 40 °C)
LED Indicators	Power On (white)	Storage Elevation	0 - 49,213 ft (0 - 14,999 m)
Management Cable	USB Cable, Serial Cable	Storage Relative Humidity	0% to 95% non-condensing
Removable LCD Control Panel Option	No	Storage Temperature	5 °F to 113 °F (-15 °C to 45 °C)
Rotatable LCD Control Panel Option	No	CERTIFICATIONS	
Serial Port	1 Serial	Environmental	RoHS Compliant
SNMP / HTTP Remote Monitoring	Yes - with optional RMCARD205	Safety	UL 1778 CSA C22.2 NO.107.3 FCC Part 15 Class B
Software	PowerPanel® Business	WARRANTY	
Upgradeable Firmware	Yes	CEG Amount	\$400,000
PHYSICAL		Connected Equipment Guarantee	Lifetime
Color	Silver	Extended Warranty Option	WEXT5YR-U4A
Form Factor	Rackmount	Product Warranty	3-Year Limited
Material of Construction	Metal	PHYSICAL DIMENSIONS	
Mounting Hardware	Yes	Physical Dimensions - Width/Height/Depth (cm)	43.31 x 8.66 x 37.49 cm
Rack Height	2U	Physical Dimensions - Width/Height/Depth (mm)	433 x 87 x 375 mm
PHYSICAL DIMENSIONS		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.