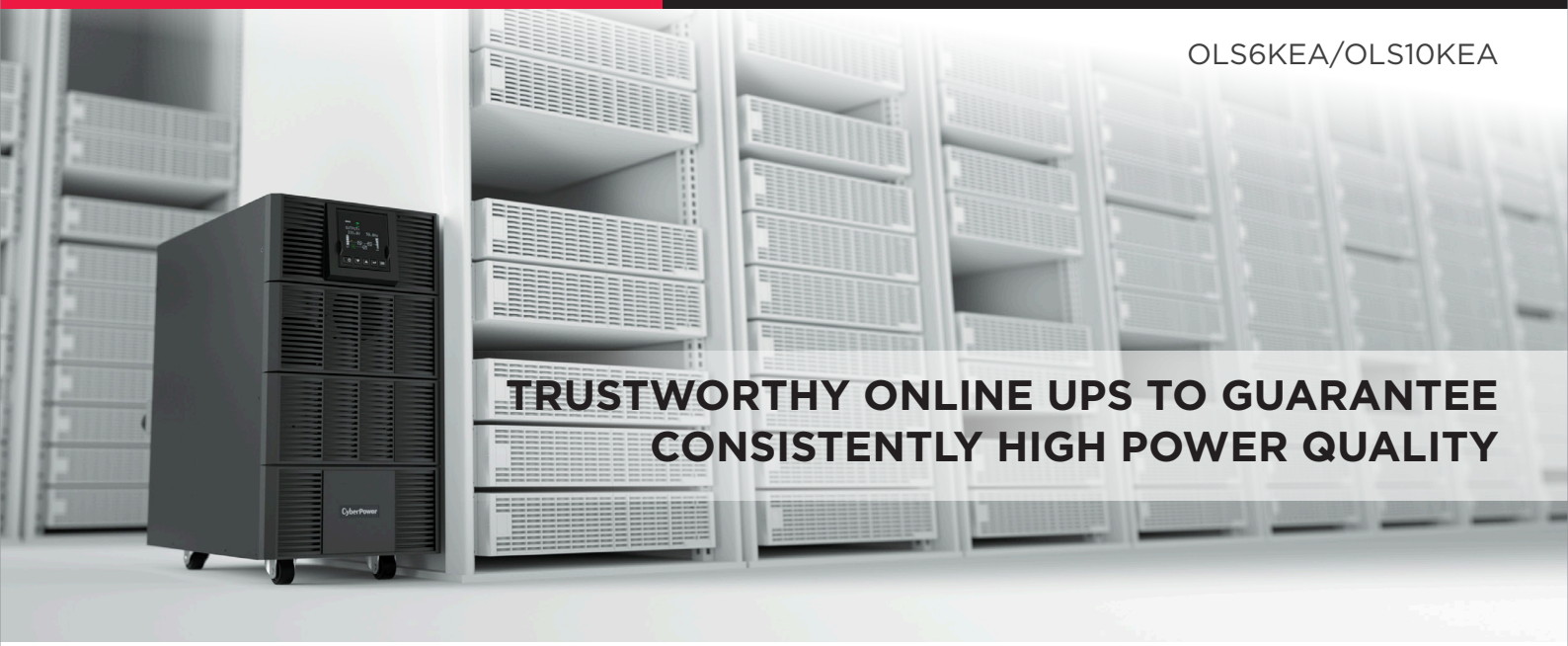
CyberPower

ONLINE S (ADVANCED) SERIES

OLS6KEA/OLS10KEA



TRUSTWORTHY ONLINE UPS TO GUARANTEE CONSISTENTLY HIGH POWER QUALITY

Online (Double Conversion) UPS Topology

ECO Mode

Adjustable Charging Current

Extended Battery Module Auto-detection

Color LCD Panel

Remote Management Capability

The online double-conversion UPS with tiltable color LCD panel to provide intuitive power information

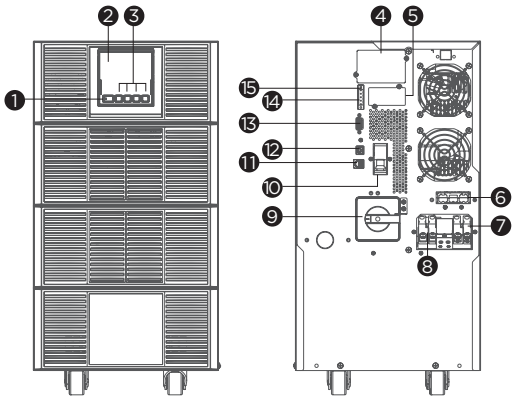
Designed for office and data center applications, the Online S (Advanced) Series adopts double-conversion topology to provide seamless Pure Sine Wave output. Featuring an output power factor of 1 design, the products provide the maximum power available for critical devices. The tiltable color LCD panel offers an intuitive interface for users to conveniently monitor the power status and configure the settings. The auto-detection of Extended Battery Module (EBM) assists users to estimate UPS's runtime by automatically detecting the number of connected EBMs. Furthermore, the battery charging current is adjustable via LCD setting to shorten charging time. The products also provide relay-type dry contacts to support local management from specific UPS signals. The power management software allows users to perform real-time monitoring and control.

SERIES FEATURES

- Online (Double Conversion) UPS Topology
- ECO Mode
- High Output Power Factor
- Pure Sine Wave Output
- UPS Parallel Expansion (Optional)
- Overload Protection
- Maintenance Bypass Switch
- Adjustable Charging Current
- Extended Battery Module Auto-detection
- Color LCD Panel
- Tiltable LCD Panel
- Relay-type Dry Contact
- Emergency Power Off (EPO) Port
- PowerPanel Management Software
- Zero Transfer Time
- SNMP/HTTP Remote Management Capability (Optional)

PRODUCT CALLOUTS

1 . Power On/Off Switch
2 . LCD Display Panel
3 . Function Button(s)
4 . Parallel Port (Optional)
5 . SNMP/HTTP Network Slot
6 . Extended Battery Module Connector
7 . Output Terminal Block
8 . Input Terminal Block
9 . Maintenance Bypass Switch
10 . Input Circuit Breaker
11 . Extended Battery Module Detection Connector
12 . USB Port
13 . Serial Port
14 . Relay-type Dry Contact
15 . EPO Port



OLS6/10KEA

Copyright © 2026 Cyber Power Systems, Inc. All rights reserved.



TECHNICAL SPECIFICATIONS

Model Name	OLS6KEA	OLS10KEA
General		
UPS Topology	Online Double Conversion	
Energy Saving Technology	ECO Mode Efficiency > 98%	
Active PFC Compatibility	Yes	
Parallel Expansion (Max. Units)	4 (Optional)	
Input		
Generator Compatibility	Yes	
Nominal Input Voltage (Vac)	230	
Input Voltage Range (Vac)	110 - 300	
Input Frequency (Hz)	50 ± 10, 60 ± 10	
Input Frequency Detection	Auto-sensing	
Rated Input Current (A)	30	49.5
Input Power Factor	0.99	
Input Connector Type	Hardwire Terminal Block	
Output		
Capacity (VA)	6000	10000
Capacity (Watts)	6000	10000
On Battery Waveform	Pure Sine Wave	
On Battery Voltage(s) (Vac)	200 ± 1%, 208 ± 1%, 220 ± 1%, 230 ± 1%, 240 ± 1%	
Output Voltage Setting	Configurable	
On Battery Frequency (Hz)	50 ± 0.5%, 60 ± 0.5%	
Output Frequency Setting	Configurable	
Power Factor	1	
Overload Protection	Internal Current Limiting, Circuit Breaker, Fuse	
Overload Protection (Line Mode)	105-130% Load for 10 sec, >130% Load for 1.5 sec	
Overload Protection (Battery Mode)	105-130% Load for 10 sec, >130% Load for 1.5 sec	
Overload Protection (Bypass Mode)	110-120% Load for 30 min, 120-130% Load for 2 min, 130-150% Load for 15 sec, >150% Load Immediately	
Harmonic Distortion (Linear Load)	THD＜1.5%	
Harmonic Distortion (Non-linear Load)	THD＜2%	THD＜3%
Outlet(s) - Total	1	
Outlet Type	Hardwire Terminal Block x 1	
Typical Transfer Time (ms)	0	
Battery		
Runtime at Half Load (min)	9.3	7.8
Runtime at Full Load (min)	2.3	1.8
Typical Recharge Time (Hours)	4	
Adjustable Charging Current (A)	1 - 4	
Smart Battery Management (SBM)	Yes	
Battery Type	Sealed Lead-acid	
Compatible Extended Battery Module (EBM)	Yes	
Max. EBM Quantity (pcs)	10	
Surge Protection & Filtering		
Surge Suppression (Joules)	1335	
EMI/RFI Filtration	Yes	
Management & Communications		
LCD Panel	Yes	
LCD Types	Color LCD	
HID Compliant USB Port(s)	1	
Serial Port	RS232	
Dry Contact (with Relay)	Yes	
Emergency Power Off (EPO) Port	Yes	
Power Management Software	PowerPanel Business (Recommended)	
SNMP/HTTP Remote Monitoring	Yes - with optional RMCARD205	
PowerPanel Cloud Service	Yes - 30 Days Free Trial with PowerPanel Personal/Business	
Physical		
Form Factor	Tower	
Physical Size - UPS Module		
Dimensions (WxHxD) (mm.)	270 x 520 x 460	
Environmental		
Operating Temperature (°C)	0 - 40	
Operating Relative Humidity (Non-condensing) (%)	0 - 95	
Certifications		
Certifications*	CE, TISI	
RoHS	Yes	

*Certifications may vary according to different regions. Visit www.cyberpower.com for more information.
#All specifications are subject to change without notice.

CyberPower and the CyberPower logo are trademarks of Cyber Power Systems, Inc., and/or affiliates, which are registered in many countries and regions. All other trademarks are the property of their respective owners.

Copyright © 2026 Cyber Power Systems, Inc. All rights reserved.