

OLS1000EC/OLS2000EC/OLS3000EC

## Online SC Series

Quality Online Double Conversion UPS That Offers The Highest Level of Power Protection



Featuring Online Double Conversion UPS topology, the Online SC Series provides the highest level of power protection and guaranteed quality power supply to demanding businesses who value versatility, flexibility, manageability and performance.

Numerous engineering excellences showcase in this enterprise-level application including Energy Saving Technology, Smart Battery Management, Generator Compatibility and Extended Runtime (XL) Models, which further enhance its overall performance and capability. With the perfect zero transfer time, the Online SC Series ensures the continuous and seamless pure sine wave power to all mission-critical devices.

Online SC Series comes with Remote Management Capability by using the PowerPanel® Business Edition management software, enabling users to perform comprehensive power management and monitoring, including unattended shutdown of connected equipment, power alert notification, event logging and internal reports and analysis.

## APPLICATIONS

- Medium Business
- Corporate Data Center
- Networking, Servers & Workstations
- Industrial Equipment

## SERIES FEATURES

- Pure Sine Wave Output
- Online (Double Conversion) UPS Topology
- Zero Transfer Time
- Energy Saving Technology
- EMI, RFI, Surge and Spike Protection
- Overload Protection
- Extended Runtime (XL) Models
- Generator Compatible
- Smart Battery Management (SBM)
- LED Status Indicator
- PowerPanel® Business Edition Software

### Online Double Conversion Topology



Online (Double Conversion) topology provides the perfect and reliable output quality regardless of the condition of the incoming power by converting AC power to DC power and then back to AC power. With zero transfer time during unexpected power outages, Online topology guarantees the power continuity of the mission-critical equipment to ensure 100% uptime and system protection.

### PowerPanel® Business Edition Software

#### System Graceful Shutdown Software



This software can provide orderly shutdown for your computer systems during the event of an extended AC power failure. This software supports Windows, Linux, and Mac operating systems and virtual platforms VMware, Microsoft Hyper-V, and Citrix XenServer.

\*Software functions may vary due to firmware version and/or hardware constraints.

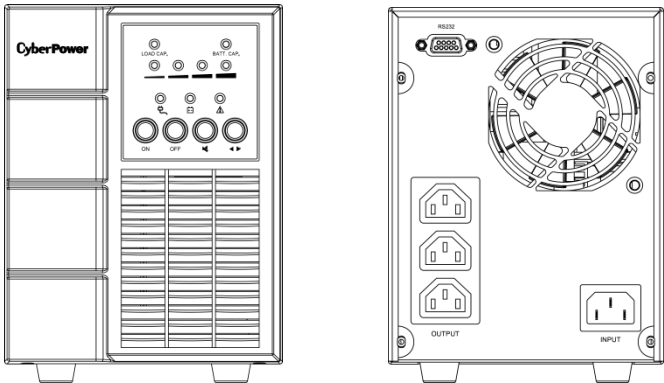


## TECHNICAL SPECIFICATIONS

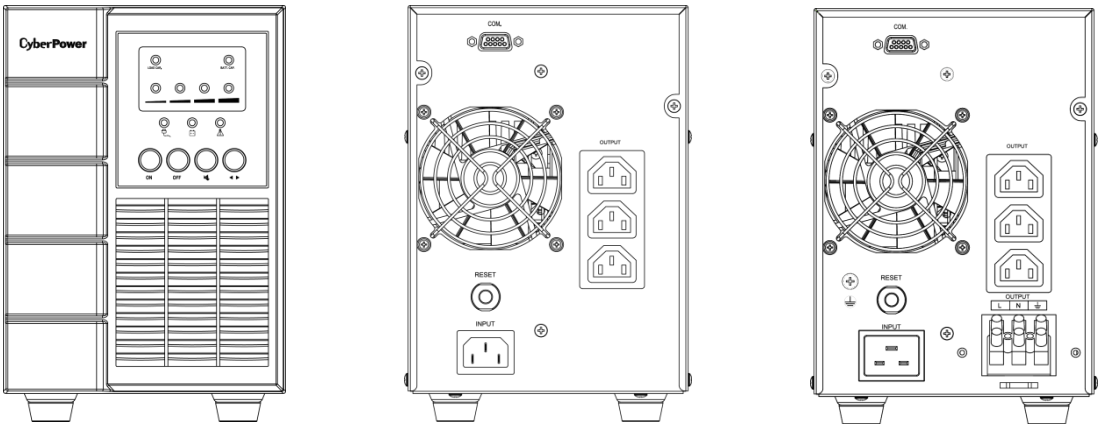
Model Name	OLS1000EC	OLS2000EC	OLS3000EC
<b>General</b>			
UPS Topology	Online Double Conversion	Online Double Conversion	Online Double Conversion
Energy Saving	Online ECO Mode Efficiency > 95%	Online ECO Mode Efficiency > 95%	Online ECO Mode Efficiency > 95%
<b>Input</b>			
Generator Compatibility	Yes	Yes	Yes
Nominal Input Voltage	230Vac ± 10%	230Vac ± 10%	230Vac ± 10%
Input Voltage Range	160 - 300Vac	160 - 300Vac	190 - 300Vac
Input Frequency Range	50/60 ± 10Hz (Auto-sensing)	50/60 ± 10Hz (Auto-sensing)	50/60 ± 10Hz (Auto-sensing)
Rated Input Current	4.5A	9A	13.6A
Input Power Factor	0.98	0.98	0.98
Plug Type	IEC C14	IEC C14	IEC C20
<b>Output</b>			
VA/Watts	1000/800	2000/1600	3000/2400
On Battery Waveform	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave
On Battery Voltage	208, 220, 230, 240Vac ± 1% (Configurable)	208, 220, 230, 240Vac ± 1% (Configurable)	208, 220, 230, 240Vac ± 1% (Configurable)
On Battery Frequency	50/60Hz ± 0.5%	50/60Hz ± 0.5%	50/60Hz ± 0.5%
Overload Protection (Line Mode)	110~120% Load for 1 min, >120% Load Immediately		
Overload Protection (Battery Mode)	110~120% Load for 10 sec, >120% Load Immediately		
Overload Protection (Bypass Mode)	>130% Load Immediately		
Outlets - Total	3	3	4
Outlet Type	IEC C13 x 3	IEC C13 x 3	Hardwire Terminal Block x 1, IEC C13 x 3
Outlets - Battery & Surge Protected	3	3	3
Rated Power Factor	0.8	0.8	0.8
Harmonic Distortion	THD < 3% at Linear Load, < 5% at Non-linear Load		
Transfer Time	0ms	0ms	0ms
<b>Battery</b>			
Runtime at Half Load (min)	9	10	9
Runtime at Full Load (min)	3	3	3
Battery Type	Sealed Lead-acid	Sealed Lead-acid	Sealed Lead-acid
Battery Size	12V / 7AH	12V / 7AH	12V / 7AH
Battery Quantity	2	4	6
User-replaceable	No	No	No
Typical Recharge Time	5 Hours	5 Hours	5 Hours
Smart Battery Management (SBM) Mode	Yes	Yes	Yes
<b>Surge Protection &amp; Filtering</b>			
Surge Suppression (Joules)	220	220	220
EMI/RFI Filtration	Yes	Yes	Yes
<b>Management &amp; Communications</b>			
Serial Port	RS232	RS232	RS232
Software	PowerPanel® Business Edition	PowerPanel® Business Edition	PowerPanel® Business Edition
SNMP / HTTP Remote Monitoring	External Slot via RS232	External Slot via RS232	External Slot via RS232
<b>Physical</b>			
Form Factor	Tower	Tower	Tower
<b>Physical – UPS Module</b>			
Dimensions (WxHxD) (mm.)	140 x 148 x 326	151 x 225 x 394	151 x 225 x 394
Weight (kg.)	8	14.3	18.2
<b>Environmental</b>			
Operating Temperature	32 °F to 104 °F / 0 °C to 40 °C	32 °F to 104 °F / 0 °C to 40 °C	32 °F to 104 °F / 0 °C to 40 °C
Operating Humidity	20% - 90% Non-condensing	20% - 90% Non-condensing	20% - 90% Non-condensing
Operating Elevation	0-5,000 feet (0-1,500 meters)	0-5,000 feet (0-1,500 meters)	0-5,000 feet (0-1,500 meters)
Storage Temperature	-4 °F to 122 °F / -20 °C to 50 °C	-4 °F to 122 °F / -20 °C to 50 °C	-4 °F to 122 °F / -20 °C to 50 °C
Storage Relative Humidity	10% - 90% Non-condensing	10% - 90% Non-condensing	10% - 90% Non-condensing
Online Thermal Dissipation	342 BTU/hr	666 BTU/hr	1126 BTU/hr
<b>Certifications</b>			
Certifications	CE	CE	CE
RoHS Compliant	Yes	Yes	Yes

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APPEARANCE



OLS1000EC



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