CyberPower®
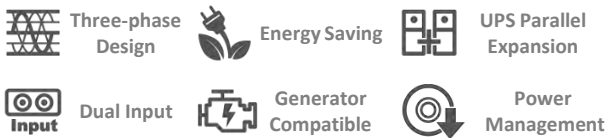
OLS3S20KE/EXL

Online S (3-Phase) Series

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

Three-phase Design

Energy Saving

UPS Parallel Expansion

Dual Input

Generator Compatible

Power Management

Featuring Online Double Conversion UPS topology, the Online S (3-Phase) Series keeps transforming the 3-Phase input power into 1-Phase output with quality power supply and provides the highest level of power protection to demanding businesses who value versatility, flexibility, manageability and performance.

Numerous engineering excellences showcase in this enterprise-level application including Economy Mode, Parallel Design and Smart Battery Management, which further enhance its overall performance and capability for better operating efficiency. With the perfect zero transfer time, the Online S Series ensures continuous and seamless pure sine wave power to all mission-critical devices.
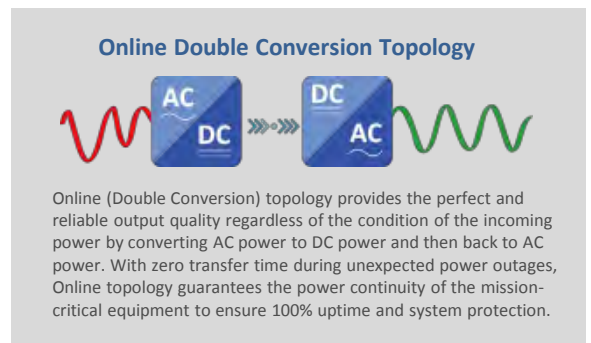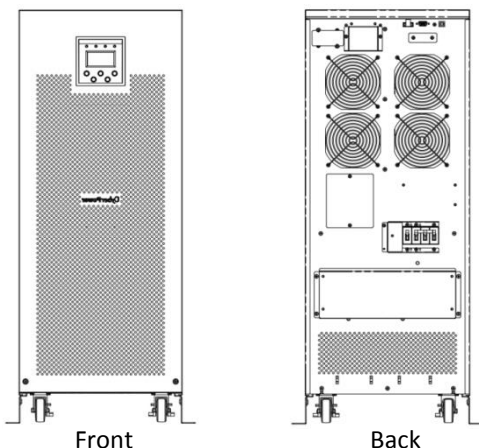
The optional SNMP/HTTP Remote Management Capability enables remote management and control of the system through standard web browser. Together with PowerPanel® Business Edition management software, users can perform comprehensive power management including unattended-shutdown, event logging, reporting, and notifications.

APPLICATIONS

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

SERIES FEATURES

- Pure Sine Wave Output
- Online (Double Conversion) UPS Topology
- Available with up to 4 Units in Parallel
- Tower Form Factor
- Smart Battery Management (SBM)
- EMI, RFI, Surge and Spike Protection
- Emergency Power Off (EPO) Port
- Multifunction LCD Readout
- USB & Serial Connectivity Ports
- Generator Compatible
- Extended Runtime Models – Up to 15 Battery Modules
- SNMP/HTTP Remote Management Capability (Optional)
- PowerPanel® Business Edition Software

Front   Back

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.

CyberPower®
TECHNICAL SPECIFICATIONS

Model Name	OLS3S20KE	OLS3S20KEXL
General		
UPS Topology	Online Double Conversion	Online Double Conversion
Energy Saving	Online ECO Mode Efficiency > 97%	Online ECO Mode Efficiency > 97%
Active PFC Compatibility	Yes	Yes
Parallel Expansion (Max. Units)	4	4
Input		
Dual Power Inputs	Yes	Yes
Generator Compatibility	Yes	Yes
Input Voltage	Line to Neutral (L-N):220 ~ 240 Vac Line to Line (L-L):380 ~ 415 Vac	
Input Voltage Range	Line to Neutral (L-N):176 ~ 276 Vac Line to Line (L-L):305 ~ 478 Vac	
Input Frequency Range	50 ± 5Hz/60 ± 6Hz (Auto-sensing)	50 ± 5Hz/60 ± 6Hz (Auto-sensing)
Rated Input Current	90.9A	90.9A
Input Power Factor	0.99	0.99
Input Connector Type	Hardwire Terminal Block	Hardwire Terminal Block
Output		
VA/Watts	20000/18000	20000/18000
On Battery Waveform	Pure Sine Wave	Pure Sine Wave
On Battery Voltage	208/220/230/240Vac ± 1% (Configurable)	208/220/230/240Vac ± 1% (Configurable)
On Battery Frequency	50/60Hz ± 0.1%	50/60Hz ± 0.1%
Overload Protection (Line Mode)	100~110% Load for 5 min, 110~130% Load for 1 min, 130~150% Load for 10 sec, >150% Load for 2 sec	
Overload Protection (Battery Mode)	100~110% Load for 1 min, 110~130% Load for 10 sec, >130% Load for 2 sec	
Overload Protection (Bypass Mode)	>130% Load Immediately	>130% Load Immediately
Crest Factor	3 : 1	3 : 1
Outlet(s) - Total	1	1
Outlet Type	Hardwire Terminal Block x 1	Hardwire Terminal Block x 1
Rated Power Factor	0.9	0.9
Harmonic Distortion	THD < 2% at Linear Load, < 5% at Non-linear Load	THD < 2% at Linear Load, < 5% at Non-linear Load
Transfer Time	0ms	0ms
Battery		
Runtime at Half Load (min)	12.8	Depends on external batteries
Runtime at Full Load (min)	1.5	Depends on external batteries
Battery Type	Sealed Lead-acid	-
User-replaceable	No	-
Typical Recharge Time	8 Hours	Depends on external batteries Built-in Charger (4A max.)
Smart Battery Management (SBM) Mode	Yes	Yes
External Battery Module (EBM)	BPSE240V82A	BPSE240V82A
Max. EBM Quantity	15	15
Surge Protection & Filtering		
Surge Suppression (Joules)	445	445
EMI/RFI Filtration	Yes	Yes
Management & Communications		
LCD Panel	Yes	Yes
HID Compliant USB Port	1	1
Serial Port	RS232	RS232
Dry Contact (with Relay)	Optional	Optional
Emergency Power Off (EPO) Port	Yes	Yes
Software	PowerPanel® Business Edition	PowerPanel® Business Edition
SNMP / HTTP Remote Monitoring	Yes - with optional RMCARD205	Yes - with optional RMCARD205
Physical		
Form Factor	Tower	Tower
Physical – UPS Module		
Dimensions (WxHxD) (mm.)	350 x 890 x 650	-
Weight (kg.)	172	-
Physical – Power Module		
Dimensions (WxHxD) (mm.)	-	350 x 890 x 650
Weight (kg.)	-	56
Physical – Battery Module		
Dimensions (WxHxD) (mm.)	260 x 718 x 550	260 x 718 x 550
Weight (kg.)	124	124
Environmental		
Operating Temperature	32 °F to 104 °F / 0 °C to 40 °C	32 °F to 104 °F / 0 °C to 40 °C
Operating Humidity	0% - 90% non-condensing	0% - 90% non-condensing
Operating Elevation	≤1000, Load Derated 1% per 100m from 1000m and 2000m	
Storage Temperature	5°F to 113 °F / -15 °C to 45 °C	5°F to 113 °F / -15 °C to 45 °C
Storage Relative Humidity	0% - 95% non-condensing	0% - 95% non-condensing
Online Thermal Dissipation	3487 BTU/hr	3487 BTU/hr
Certifications		
Certifications	CE	CE
RoHS Compliant	Yes	Yes

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