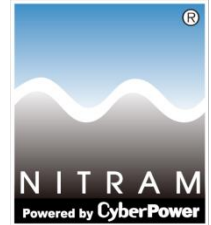


# Smart App Online S Series

OLS2000E/3000E/2000EXL/3000EXL

Powered by **CyberPower**

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



Featuring Online Double Conversion UPS topology, the Online Series provides the highest level of power protection and a guaranteed quality power supply to demanding businesses who value versatility, flexibility, manageability and performance. Numerous engineering excellences showcase in this enterprise-level application including Economy Mode and Smart Battery Management, which further enhance its overall performance and capability. With the perfect zero transfer time, the Online Series ensures the continuous and seamless pure sine wave power to all mission-critical devices.

This product comes with Remote Management Capabilities which include the PowerPanel® Business Edition management software and an optional SNMP/HTTP network management card, enabling users to perform comprehensive network management and monitoring 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
- Tower Form Factor
- EMI, RFI, Surge and Spike Protection
- Phone/Fax/Modem/DSL/Network Protection
- Auto-Restart/Auto-Charge
- Emergency Power Off (EPO) Port
- Multifunction LCD Readout
- USB & Serial Connectivity Ports
- Extended Runtime Models- Up to 3 battery packs
- SNMP/HTTP Remote Management Capability (Optional)
- PowerPanel® Business Edition Software

Online Topology

Pure Sine Wave

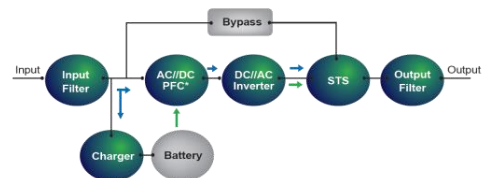
Smart Battery Management

SNMP /HTTP

LCD Display

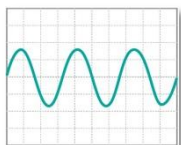
Tower Form

### ONLINE DOUBLE CONVERSION TOPOLOGY



Online (Double Conversion) topology provides an extra layer of insulation from power problems. This is achieved by continuously operating off battery power and having zero transfer time during power outages. Online topology also stabilizes output frequency and voltage, and eliminates any line noise that may be apparent in industrial settings or when operating off generator power.

### OUTPUT WAVEFORM - PURE SINE WAVE



For applications which require the highest level of line clarity for proper function, the Smart App UPS Systems are the perfect choices with its quality Pure Sine Wave output. They are designed for electronic devices that have *Power Factor Correction (PFC)* Power Supplies as well as for small AC motors and other devices that need true sine-wave power in order to function properly.

### POWERPANEL® BUSINESS EDITION S/W



#### Auto-shutdown Software

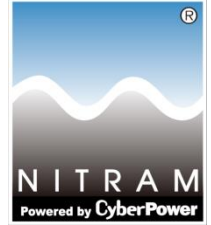
PowerPanel® Business Edition Management Software, is compatible with Windows8, 7, Vista, XP, 2000, Windows Server 2012, 2008, 2003, VMware Esxi, Citrix XenServer, Linux and Mac.

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

# Smart App Online S Series

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## Technical Specification

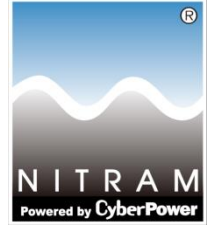
Model	OLS2000E	OLS3000E	OLS2000EXL	OLS3000EXL
<b>Configuration</b>				
Capacity (VA / Watts)	2000 / 1600	3000 / 2400	2000 / 1600	3000 / 2400
Topology	Online (Double Conversion)			
Energy-Saving Technology	Yes, ECO Mode Efficiency > 95%			
<b>Input</b>				
Input Frequency Range	40 Hz - 70 Hz			
Inlet Type	IEC C20			
<b>Output</b>				
UPS Outlets (Numbers)	(4) IEC C13 + Terminal Block	(2+2) IEC C13, (1) IEC C19, Terminal Block	(4) IEC C13 + Terminal Block	(2+2) IEC C13, (1) IEC C19, Terminal Block
On Battery Output Voltage	Pure Sine Wave at 208, 220, 230, 240 Vac (Configurable)			
On Battery Output Voltage Distortion (@Nominal Battery Voltage)	≤ 3%(Linear Load), ≤ 5%(Non-Linear Load)			
On Battery Output Frequency	50 Hz / 60 Hz (Auto-Sensing or Configurable) ± 0.5%			
Typical Transfer Time	0ms			
Overload Protection	<b>AC Mode:</b> Warning only @ 110%>Load>105%, Transfer to bypass after 60sec @ 120%>Load>110%, Transfer to bypass immediately @ Load>120% <b>Battery Mode:</b> Warning only @ 110%>Load>105%, Shutdown after 10sec @ 120%>Load>110%, Shutdown immediately @ Load>120% <b>Bypass Mode:</b> Warning only @ 130%>Load>105%, Shutdown immediately @ Load>130%			
Short Circuit Protection	UPS Output Cut off Immediately or Circuit Breaker Protection			
<b>Surge Protection and Filtering</b>				
Surge Protection	Yes			
DSL / Phone / FAX / Modem Protection	RJ11 / RJ45 (One In / One Out)			
<b>Physical</b>				
Dimensions (H x W x D) (mm)	337 x 196 x 416			
Weight (kg) - Power Module	23.8	28.2	12.2	12.6
<b>Battery</b>				
Sealed Maintenance Free Lead Acid Battery	(6) 12V / 7AH	(6) 12V / 8.5AH	Depends on external batteries	
Configurable External Battery Pack (Max.)	3		10	
Typical Recharge Time (Hours)	5		Depends on external batteries. Built-in Charger (8A Max. )	
<b>Runtimes</b>				
Half-load / Full-load (mins)	16 / 6	14 / 5	Depends on external batteries	
<b>Status Indicators</b>				
Indicators	Power On, Line Mode, Battery Mode, Bypass Mode, ECO Mode, C/F Mode, Fault, Replace Battery			
Audible Alarms	Battery Mode, Battery Low, Overload, UPS Fault, Replace Battery			
<b>Communication</b>				
PowerPanel® Business Edition Management	Windows 8 / 7 / Vista / XP / 2000, Server 2012 / 2008 / 2003, Linux, VMware Esxi, and Citrix XenServer			
Self Test	Yes			
Auto-Charge / Auto-Restart	Yes			
Auto-Overload Recovery	Yes			
Cold Start (DC Start)	Yes			
Connectivity Ports	(1) Serial Port (RS232), (1) USB Port, (1) EPO/ROO			
SNMP/HTTP Capable	Optional			

#All specifications are subject to change without notice. ©2013 NITRAM S.A. All Trademarks are the property of their owners.

# Smart App Online S Series

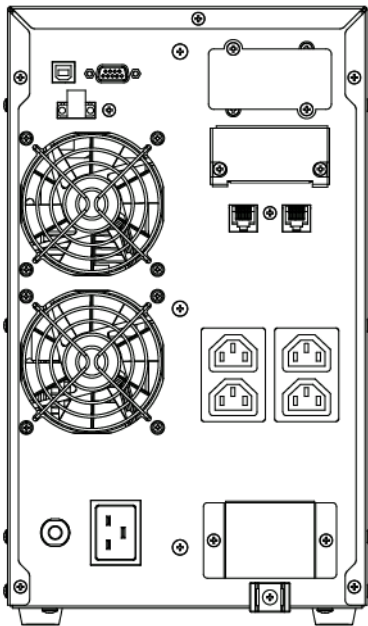
OLS2000E/3000E/2000EXL/3000EXL

Powered by **CyberPower**

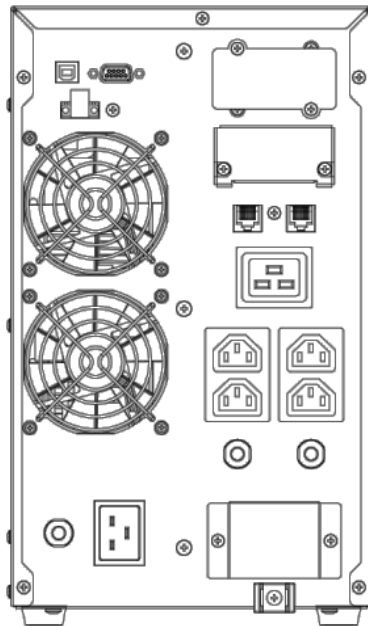


## Battery

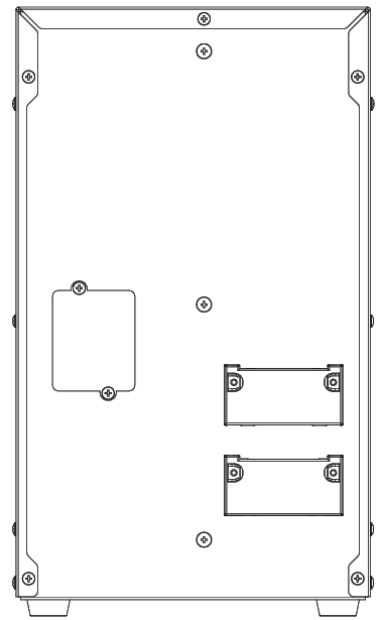
<b>Model</b>	<b>BPSE72V45A</b>
Voltage	72VDC
Amperage	45A
<b>Physical</b>	
Dimensions (H x W x D) (mm)	337 x 196 x 416
Weight (kg)	34.2
<b>Battery</b>	
Sealed Maintenance Free Lead Acid Battery	(12) 12V / 7AH
Interface	PP45
Typical Recharge Time	Depends on external batteries
<b>Environment</b>	
Operating Temperature	32~104°F (0~40°C)
Humidity	0~90% Non-Condensing



OLS2000E/OLS2000EXL



OLS3000E/OLS3000EXL



BPSE72V45A

**2 YEARS  
WARRANTY**

**RoHS**

**PG**  
AI 30

**CE**