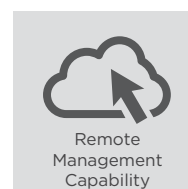
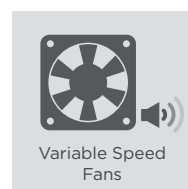
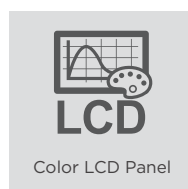
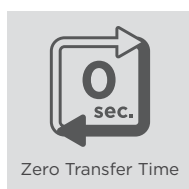
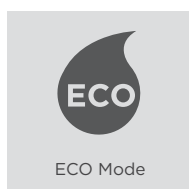


OLS1000EA/OLS1500EA  
OLS2000EA/OLS3000EA



### RELIABLE ONLINE UPS TO PROTECT MISSION-CRITICAL DEVICES



### The online double-conversion UPS with variable speed fans to provide power protection with less noise for business applications

Designed for office and data center applications, the Online S (Advanced) Series adopts double-conversion topology to provide seamless Pure Sine Wave output. The UPSs feature color LCD panel for users to monitor power system and configure settings easily. The products are generator compatible and also provide Emergency Power Off (EPO) switch that allows users to shut off UPS immediately during emergency. The variable speed fans provide automatic thermal management based on power load to reduce noise and provide greater comfort for users.

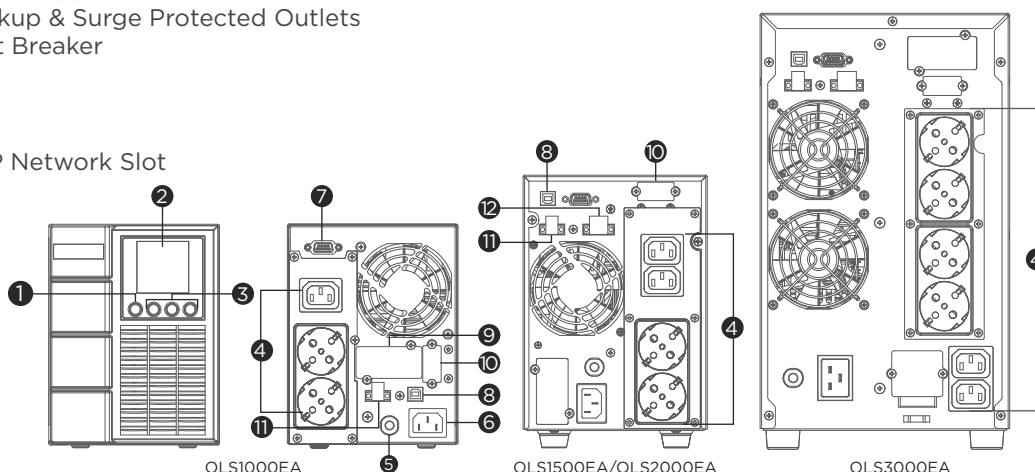
#### SERIES FEATURES

- Online (Double Conversion) UPS Topology
- ECO Mode
- Generator Compatible
- Overload Protection
- Zero Transfer Time
- Smart Battery Management (SBM)
- Surge and Spike Protection
- EMI and RFI Filtration
- Color LCD Panel
- Variable Speed Fans
- Serial Connectivity Port
- Emergency Power Off (EPO) Port
- PowerPanel Management Software
- SNMP/HTTP Remote Management Capability (Optional)
- Tower Form Factor

#### PRODUCT CALLOUTS

1. Power On/Off Switch
2. LCD Display Panel
3. Function Button(s)
4. Battery Backup & Surge Protected Outlets
5. Input Circuit Breaker
6. AC Inlet
7. Serial Port
8. USB Port
9. SNMP/HTTP Network Slot

10. Extended Battery Module Connector
11. EPO Port
12. Relay-type Dry Contact





TECHNICAL SPECIFICATIONS

| Model Name                                       | OLS1000EA                                                               |                                         | OLS1500EA                                                               |                                                                                                                                                   | OLS2000EA       | OLS3000EA |
|--------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------|
| General                                          |                                                                         |                                         |                                                                         |                                                                                                                                                   |                 |           |
| UPS Topology                                     | Online Double Conversion                                                |                                         |                                                                         |                                                                                                                                                   |                 |           |
| Energy Saving Technology                         | Online ECO Mode Efficiency > 95%                                        |                                         |                                                                         |                                                                                                                                                   |                 |           |
| Active PFC Compatibility                         | Yes                                                                     |                                         |                                                                         |                                                                                                                                                   |                 |           |
| Input                                            |                                                                         |                                         |                                                                         |                                                                                                                                                   |                 |           |
| Generator Compatibility                          | Yes                                                                     |                                         |                                                                         |                                                                                                                                                   |                 |           |
| Nominal Input Voltage (Vac)                      | 230 ± 10%                                                               |                                         |                                                                         |                                                                                                                                                   |                 |           |
| Input Voltage Range (Vac)                        | 160 - 300                                                               | 190 - 300                               | 200 - 300                                                               | 190 - 300                                                                                                                                         |                 |           |
| Input Frequency (Hz)                             | 50 ± 10, 60 ± 10                                                        |                                         |                                                                         |                                                                                                                                                   |                 |           |
| Input Frequency Detection                        | Auto-sensing                                                            |                                         |                                                                         |                                                                                                                                                   |                 |           |
| Rated Input Current (A)                          | 4.5                                                                     | 9                                       |                                                                         |                                                                                                                                                   | 13.04           |           |
| Input Power Factor                               | 0.98                                                                    |                                         |                                                                         |                                                                                                                                                   |                 |           |
| Input Connector Type                             | IEC C14                                                                 | IEC C20                                 | IEC C14                                                                 | IEC C20                                                                                                                                           |                 |           |
| Output                                           |                                                                         |                                         |                                                                         |                                                                                                                                                   |                 |           |
| Capacity (VA)                                    | 1000                                                                    | 1500                                    | 2000                                                                    | 3000                                                                                                                                              |                 |           |
| Capacity (Watts)                                 | 900                                                                     | 1350                                    | 1800                                                                    | 2700                                                                                                                                              |                 |           |
| On Battery Waveform                              | Pure Sine Wave                                                          |                                         |                                                                         |                                                                                                                                                   |                 |           |
| On Battery Voltage(s) (Vac)                      | 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                                     | 0.9                                                                     |                                         |                                                                         |                                                                                                                                                   |                 |           |
| Overload Protection                              | Internal Current Limiting, Circuit Breaker, Fuse                        |                                         |                                                                         |                                                                                                                                                   |                 |           |
| 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                                                  |                                         |                                                                         |                                                                                                                                                   |                 |           |
| Harmonic Distortion (Linear Load)                | THD<3%                                                                  |                                         |                                                                         |                                                                                                                                                   |                 |           |
| Harmonic Distortion (Non-linear Load)            | THD<5%                                                                  |                                         |                                                                         |                                                                                                                                                   |                 |           |
| Outlet(s) - Total                                | 3 [DE version] or 4 [IEC version]                                       | 4 [DE version]                          | 4 [DE version] or 4 [IEC version]                                       | 7 [DE version] or 8 [IEC version]                                                                                                                 |                 |           |
| Outlet Type                                      | Schuko x 2,<br>IEC C13 x 1 [DE version] or<br>IEC C13 x 4 [IEC version] | Schuko x 2,<br>IEC C13 x 2 [DE version] | Schuko x 2,<br>IEC C13 x 2 [DE version] or<br>IEC C13 x 4 [IEC version] | Schuko x 4, IEC C13 x 2, Hardwire<br>Terminal Block x 1 [DE version] or<br>IEC C13 x 6, IEC C19 x 1, Hardwire<br>Terminal Block x 1 [IEC version] |                 |           |
| Outlet(s) - Battery & Surge Protected            | 2 [Schuko], 1 [IEC] or 4 [IEC]                                          | 2 [Schuko], 2 [IEC]                     | Schuko x 2,<br>IEC C13 x 2 [DE version] or<br>IEC C13 x 4 [IEC version] | Schuko x 4, IEC C13 x 2, Hardwire<br>Terminal Block x 1 [DE version] or<br>IEC C13 x 6, IEC C19 x 1, Hardwire<br>Terminal Block x 1 [IEC version] |                 |           |
| Typical Transfer Time (ms)                       | 0                                                                       |                                         |                                                                         |                                                                                                                                                   |                 |           |
| Battery                                          |                                                                         |                                         |                                                                         |                                                                                                                                                   |                 |           |
| Runtime at Half Load (min)                       | 13.9                                                                    | 9                                       | 13.1                                                                    |                                                                                                                                                   |                 |           |
| Runtime at Full Load (min)                       | 4.6                                                                     | 3                                       | 3.8                                                                     |                                                                                                                                                   | 4.2             |           |
| Typical Recharge Time (Hours)                    | 4                                                                       |                                         |                                                                         |                                                                                                                                                   |                 |           |
| Smart Battery Management (SBM)                   | Yes                                                                     |                                         |                                                                         |                                                                                                                                                   |                 |           |
| User-replaceable                                 | No                                                                      |                                         |                                                                         |                                                                                                                                                   |                 |           |
| Battery Type                                     | Sealed Lead-acid                                                        |                                         |                                                                         |                                                                                                                                                   |                 |           |
| Compatible Extended Battery Module (EBM)         | BPSE24V40A                                                              | BPSE48V40A                              |                                                                         |                                                                                                                                                   | BPSE72V40A      |           |
| Max. EBM Quantity (pcs)                          | 3                                                                       |                                         |                                                                         |                                                                                                                                                   |                 |           |
| Surge Protection & Filtering                     |                                                                         |                                         |                                                                         |                                                                                                                                                   |                 |           |
| Surge Suppression (Joules)                       | 345                                                                     |                                         |                                                                         |                                                                                                                                                   | 370             |           |
| 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                                           |                                         |                                                                         |                                                                                                                                                   |                 |           |
| Physical                                         |                                                                         |                                         |                                                                         |                                                                                                                                                   |                 |           |
| Form Factor                                      | Tower                                                                   |                                         |                                                                         |                                                                                                                                                   |                 |           |
| Physical Size - UPS Module                       |                                                                         |                                         |                                                                         |                                                                                                                                                   |                 |           |
| Dimensions (WxHxD) (mm.)                         | 140 x 191 x 327                                                         | 151 x 225 x 394                         |                                                                         |                                                                                                                                                   | 196 x 337 x 416 |           |
| Weight (kg.)                                     | 9.4                                                                     | 14.4                                    | 17.4                                                                    |                                                                                                                                                   | 21.3            |           |
| Environmental                                    |                                                                         |                                         |                                                                         |                                                                                                                                                   |                 |           |
| Operating Temperature (°C)                       | 0 - 40                                                                  |                                         |                                                                         |                                                                                                                                                   |                 |           |
| Operating Relative Humidity (Non-condensing) (%) | 20 - 90                                                                 |                                         |                                                                         |                                                                                                                                                   |                 |           |
| Online Thermal Dissipation (BTU/hr)              | 458                                                                     | 682                                     |                                                                         |                                                                                                                                                   | 1023            |           |
| Certifications                                   |                                                                         |                                         |                                                                         |                                                                                                                                                   |                 |           |
| Certifications*                                  | CE                                                                      |                                         |                                                                         |                                                                                                                                                   |                 |           |
| RoHS                                             | Yes                                                                     |                                         |                                                                         |                                                                                                                                                   |                 |           |

\*Certifications may vary according to different regions. Visit [www.cyberpower.com](http://www.cyberpower.com) for more information.  
#All specifications are subject to change without notice.