













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 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.

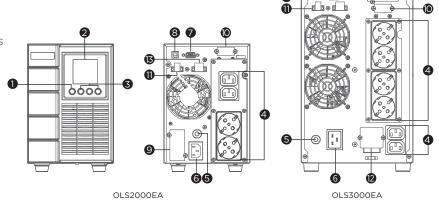
SERIES FEATURES

- 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 Status Display
- Variable Speed Fans
- Emergency Power Off (EPO) Port
- PowerPanel® Management Software
- Relay-type Dry Contact
- SNMP/HTTP Remote Management Capability (Optional)

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. Output Terminal Block
- 13. Relay-type Dry Contact



TECHNICAL SPECIFICATIONS

Control Con	Model Name	OLS2000EA	OLS3000EA
### Part Spring		OLS2000EA	OLSSOUDEA
Energy Serving Servinology Notice PEC Composition Note Not		Online Davible Conversion	
Access Process Proce			
Impact Security			
Sementary Competibility	· · · ·	Ψ	es
Notinitar Interact Verlage (Pace) 1900 - 300 1900			
Injust Visional Principion (Vision) 190 -			
Proced Procedures(1994) 19,000 19			
Mode Freedings Mode Senting Mo			
Read in accountment (A) 9			
	·		
Capacity (VA)	'		
Capacity (VAI) 2000 3000 2000	* * * * * * * * * * * * * * * * * * * *	IEC C14	IEC C20
Casacity (Watts) 1800 27	Output		
On Battery Waveform On Battery On	Capacity (VA)	2000	3000
On Battery Voltage(s) (Viv) On Dutput Voltage Setting Configurable On Battery Frequency (Yz) Sol 2, 58, 20 ± 18, 20	Capacity (Watts)	1800	2700
Comparable Configurable	On Battery Waveform	Pure Sine Wave	
On Baltery Frequency (Hz) On Baltery Frequency (Hz) Overload Protection Output Frequency (Hz) Overload Protection Overload Protection (Internal Current Limiting, Circuit Breaker, Fuse Overload Protection (Ratery Mode) Schulck 22, 12C used on 110-120% Load for 110-120% Load Immediately Overload Protection (Ratery Mode) Schulck 23, 12C used Immediately Overload Protection (Ratery Mode) Schulck 24, 12C CLS 24 Newfoot Table Version] 1138 Rusting A Full Load (Ratery Mode) Protection (Ratery Mode) Overload Protection (Ratery Mode) Overload Protection (Ratery Mode) Overload Protection (Ratery Ratery Mode) Overload Protection (Ratery Ratery	On Battery Voltage(s) (Vac)	208 ± 1%, 220 ± 1%, 230 ± 1%, 240 ± 1%	
Outpool Frequency Setting Configurable Owerload Protection 0.9 Overload Protection (Line Mode) 100-120% Load for 1 min. >200% Load for 1 mi	Output Voltage Setting	Configurable	
Power Factor O.9	On Battery Frequency (Hz)	50 ± 0.5%, 60 ± 0.5%	
Internal Current Limiting, Circuit Breaker, Fuse Overload Protection (Line Mode)	Output Frequency Setting	Configurable	
Overload Protection (Line Modes)	Power Factor	0.9	
Overload Protection (Baltery Mode) 110-120% Load for 10 sec. >120% Load Immediately Overload Protection (Bypass Mode) \$150% Load Immediately Harmonic Distortion (Linear Load) THD <3%	Overload Protection	Internal Current Limiting, Circuit Breaker, Fuse	
Overload Protection (Bypass Mode) N350% Load Immediately	Overload Protection (Line Mode)	110-120% Load for 1 min, >120% Load Immediately	
Hammonic Distortion (Linear Load) THO S% THO S% THO S% THO S(Monthinear Load) 4 [DE version] or 4 [DE version] or 7 [DE version] or 8 [DEC version] THO S(Monthinear Load) Tho S(Mo	Overload Protection (Battery Mode)	110-120% Load for 10 sec, >120% Load Immediately	
Harmonic Distortion (Non-linear Load) Outlet (7)-Potal	Overload Protection (Bypass Mode)	>130% Load Immediately	
Outlet (y) = Total 4 (DE version) or 4 (IEC version) 7 (DE version) or 8 (IEC version) Outlet Type Schuko x 2, IEC Cl3 x 2 (DE version) or IEC Cl3 x 4 (IEC version) Schuko x 4, IEC Cl3 x 2, Hardwire Terminal Block x 1 (DE version) Battery Battery Runtime at Half Load (min) 11.9 13.8 Autime at Full Load (min) 4 4.3 Typical Recharge Time (Hours) 4 4.3 Smart Battery Management (SBM) Ves 4.3 User Replaceable No Sealed Lead-acid Surge Suppression (Joules) 345 370 Surge Suppression (Joules) 345 370 Surge Suppression (Joules) 345 370 EMI/FIF Iltration Yes LCD Panel Yes LCD Panel Yes LCD Types Color LCD LCD Types Panel Yes LCD Types Panel Yes LCD Types Panel Yes LCD Types P	Harmonic Distortion (Linear Load)	THD<3%	
Schuko x 2, IEC Cl3 x 2 [DE version] or IEC Cl3 x 4 [IEC version] Schuko x 4, IEC Cl3 x 2, Hardwire Terminal Block x 1 [DE version] IEC Cl3 x 6, IEC Cl3 x 6, IEC Cl3 x 1, Hardwire Terminal Block x 1 [DE version] IEC Cl3 x 6, IEC Cl3 x 6, IEC Cl3 x 1, Hardwire Terminal Block x 1 [IEC version] IEC Cl3 x 6, IEC Cl3 x 6, IEC Cl3 x 1, Hardwire Terminal Block x 1 [DE version] IEC Cl3 x 6, IEC Cl3 x 6, IEC Cl3 x 1, Hardwire Terminal Block x 1 [DE version] IEC Cl3 x 6, IEC Cl3 x 6, IEC Cl3 x 1, Hardwire Terminal Block x 1 [DE version] IEC Cl3 x 6, IEC Cl3 x 6, IEC Cl3 x 1, Hardwire Terminal Block x 1 [DE version] IEC Cl3 x 6, IEC Cl3 x 6, IEC Cl3 x 1, Hardwire Terminal Block x 1 [DE version] IEC Cl3 x 6, IEC Cl3 x 1, Hardwire Terminal Block x 1 [DE version] IEC Cl3 x 6, IEC Cl3 x 1, Hardwire Terminal Block x 1 [DE version] IEC Cl3 x 6, IEC Cl3 x 1, Hardwire Terminal Block x 1 [DE version] IEC Cl3 x 6, IEC Cl3 x 1, Hardwire Terminal Block x 1 [DE version] IEC Cl3 x 6, IEC Cl3 x 1, Hardwire Terminal Block x 1 [DE version] IEC Cl3 x 6, IEC Cl3 x 1, Hardwire Terminal Block x 1 [DE version] IEC Cl3 x 6, IEC Cl3 x 1, Hardwire Terminal Block x 1 [DE version] IEC Cl3 x 6, IEC Cl3 x 1, Hardwire Terminal Block x 1 [DE version] IEC Cl3 x 6, IEC Cl3 x 1, Hardwire Terminal Block x 1 [DE version] IEC Cl3 x 6, IEC Cl3 x 1, Hardwire Terminal Block x 1 [DE version] IEC Cl3 x 6, IEC Cl3 x 1, Hardwire Terminal Block x 1 [DE version] IEC Cl3 x 6, IEC Cl3 x 1, Hardwire Terminal Block x 1 [DE version] IEC Cl3 x 6, IEC Cl3 x 1, Hardwire Terminal Block x 1 [DE version] IEC Cl3 x 6, IEC Cl3 x 1, Hardwire Terminal Block x 1 [DE version] IEC Cl3 x 6, IEC Cl3 x 1, Hardwire Terminal Block x 1 [DE version] IEC Cl3 x 6, IEC Cl3 x 1, Hardwire Terminal Block x 1 [DE version] IEC Cl3 x 6, IEC Cl3 x 1, Hardwire Terminal Block x 1 [DE version] IEC Cl3 x 6, IEC Cl3 x 1, Hardwire Terminal Block x 1 [DE version] IEC Cl3 x 6, IEC Cl3 x 1, Hardwire Terminal Block x 1 [DE version] IEC Cl3 x 1, Hardwire Terminal Block x 1 [DE version] IEC Cl3 x 1, Hardwire	Harmonic Distortion (Non-linear Load)	THD<5%	
Schuko x 2, IEC Cl3 x 2 (DE version) or IEC Cl3 x 4 (IEC version)	Outlet(s) - Total	4 [DE version] or 4 [IEC version] 7 [DE version] or 8 [IEC version]	
Runtime at Half Load (min) Runtime at Full Load (min) 4 A Runtime at Full Load (min) 4 A A.3 Typical Recharge Time (Hours) Smart Battery Management (SBM) User Replaceable Smart Battery Management (SBM) User Replaceable Sattery Type Sealed Lead-acid Surge Protection & Filtering Surge Suppression (Joules) Surge Suppression (Joules) Surge Suppression (Joules) Romanament & Communications LCD Panel CD Types Color LCD HID Compliant USB Port(s) Filterian Resize Dry Contact (with Relay) Resize Power Offi (EPO) Port Power Management Software SMM/HTTP Remote Monitoring Resize Power Management Software Resize Resiz	Outlet Type	Schuko x 2, IEC C13 x 2 [DE version] or IEC C13 x 4 [IEC version]	Schuko x 4, IEC C13 x 2, Hardwire Terminal Block x 1 [DE version] or IEC C13 x 6, IEC C19 x 1, Hardwire Terminal Block x 1 [IEC version]
Runtime at Full Load (min) 4 4 4.3 Typical Recharge Time (Hours) 4 Typical Recharge Time (Hours) 4 Sear Eattery Management (SBM) User Replaceable No Battery Type Sealed Load-acid Surge Protection & Filtering Surge Suppression (Joules) 345 370 EM/RFI Filtration Yes EMPRISE Filtration Yes HID Compliant USB Port(s) 1 Serial Port Replaceable 1 Serial Port Replaceable 3 Power Management S Offware Power Panel* Business (Recommended) SMMP AITTP Remote Monitoring Yes - with optional RMCARD205 Physical Form Factor Power Module Dimensions (WH-RD) (mm) 151 × 225 × 394 196 × 337 × 416 Weight (Kg) 17.4 21.3 Environmental Operating Relative Humidity (Non-condensing) (%) Online Thermal Dissipation (BTU/hr) 682 1023 Audible Noise at LOM from Surface of Unit 26-54 dBA (0-100% load) Certifications	Battery		
Typical Recharge Time (Hours) Smart Battery Management (SBM) Smart Battery Management (SBM) Series Interior Sealed Lead-acid Surger Protection & Filtering Surge Suppression (Joules) Surger Suppression (Joules) Su	Runtime at Half Load (min)	11.9	13.8
Smart Battery Management (SBM) Yes	Runtime at Full Load (min)	4	4.3
Ser Replaceable Ser Replaceable Sealed Lead-acid	Typical Recharge Time (Hours)	4	
Sale of Lead Lead Lead Lead Lead Lead Lead Lead	Smart Battery Management (SBM)	Yes	
Surge Protection & Filtering Surge Suppression (Joules) 345 370 EM/RFI Filtration Yes Management & Communications Total Color LCD 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) ShMP/HTTP Remote Monitoring Yes - with optional RMCARD205 Physical Form Factor Tower Factor Physical Size - UPS Module Dimensions (WxHxD) (mm.) 151 x 225 x 394 196 x 337 x 416 Weight (kg.) 17.4 21.3 Environmental Operating Engletive Humidity (Non-condensing) (%) 0 - 40 Operating Relative Humidity (Non-condensing) (%) 682 1023 Online Thermal Dissipation (BTU/hr) 682 30-51 dBA (0-100% load) Certifications	User Replaceable	No	
Surge Suppression (Joules) 345 370 EM/RF 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) SMMP/HTTP Remote Monitoring Yes - with optional RMCARD205 Physical Yes - with optional RMCARD205 Physical Size - UPS Module Tower Dimensions (WxHxD) (mm.) 151 x 225 x 394 196 x 337 x 416 Weight (kg.) 17.4 21.3 Environmental Poerating Temperature (*C) 0 - 40 Operating Relative Humidity (Non-condensing) (%) 20 - 90 Online Thermal Dissipation (BTU/hr) 682 1023 Audible Noise at 1.0M from Surface of Unit 26-54 dBA (0-100% load) 30-51 dBA (0-100% load) Certifications Tower Poerating Temperature (*C) ***Operating Surface (***Operating Surface (***Operating Surface (***Operating Surface (***Operating Sur	Battery Type	Sealed Lead-acid	
Management & Communications	Surge Protection & Filtering		
Management & Communications	Surge Suppression (Joules)	345	370
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 151 x 225 x 394 196 x 337 x 416 Weight (kg.) 17.4 21.3 Environmental 20 - 90 40 Operating Temperature (*C) 0 - 40 90 Online Thermal Dissipation (BTU/hr) 682 1023 Audible Noise at 1.0M from Surface of Unit 26-54 dBA (0-100% load) 30-51 dBA (0-100% load) Certifications ***Certifications** ***Certifications**	EMI/RFI Filtration	Yes	
Color LCD	Management & Communications		
HID Compliant USB Port(s) Serial Port Serial Port Power Contact (with Relay) Emergency Power Off (EPO) Port Power Management Software Power Management Software Power Management Software Power Management Monitoring Power Management Monitoring Power Management Monitoring Power Management Monitoring Power Panel* Business (Recommended) Yes - with optional RMCARD205 Physical Form Factor Physical Size - UPS Module Dimensions (WxHxD) (mm.) 151 x 225 x 394 196 x 337 x 416 Weight (kg.) 17.4 199 x 337 x 416 Power Management (°C) O - 40 Operating Temperature (°C) Operating Relative Humidity (Non-condensing) (%) Online Thermal Dissipation (BTU/hr) 682 Audible Noise at 1,0M from Surface of Unit 26-54 dBA (0-100% load) Certifications	LCD Panel	Yes	
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 Towr Form Factor Towr Physical Size - UPS Module Dimensions (WxHxD) (mm.) 151 x 225 x 394 196 x 337 x 416 Weight (kg.) 17.4 21.3 Environmental Operating Temperature (°C) 0 - 40 Operating Relative Humidity (Non-condensing) (%) 20 - 90 Online Thermal Dissipation (BTU/hr) 682 1023 Audible Noise at 1.0M from Surface of Unit 26-54 dBA (0-100% load) 30-51 dBA (0-100% load) Certifications	LCD Types	Color LCD	
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 Towr Form Factor Towr Physical Size - UPS Module Dimensions (WxHxD) (mm.) 151 x 225 x 394 196 x 337 x 416 Weight (kg.) 17.4 21.3 Environmental Operating Temperature (°C) 0 - 40 Operating Relative Humidity (Non-condensing) (%) 20 - 90 Online Thermal Dissipation (BTU/hr) 682 1023 Audible Noise at 1.0M from Surface of Unit 26-54 dBA (0-100% load) 30-51 dBA (0-100% load) Certifications	HID Compliant USB Port(s)	1	
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.) 151 x 225 x 394 196 x 337 x 416 Weight (kg.) 17.4 21.3 Environmental O - 40 Operating Temperature (°C) 0 - 40 Operating Relative Humidity (Non-condensing) (%) 20 - 90 1023 Online Thermal Dissipation (BTU/hr) 682 1023 Audible Noise at 1.0M from Surface of Unit 26-54 dBA (0-100% load) 30-51 dBA (0-100% load) Certifications	Serial Port	R\$232	
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.) 151 x 225 x 394 196 x 337 x 416 Weight (kg.) 17.4 21.3 Environmental O - 40 Operating Temperature (°C) 0 - 40 Operating Relative Humidity (Non-condensing) (%) 20 - 90 1023 Online Thermal Dissipation (BTU/hr) 682 1023 Audible Noise at 1.0M from Surface of Unit 26-54 dBA (0-100% load) 30-51 dBA (0-100% load) Certifications	Dry Contact (with Relay)	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.) 151 x 225 x 394 196 x 337 x 416 Weight (kg.) 17.4 21.3 Environmental Operating Temperature (°C) 0 - 40 Operating Relative Humidity (Non-condensing) (%) 20 - 90 Online Thermal Dissipation (BTU/hr) 682 1023 Audible Noise at 1.0M from Surface of Unit 26-54 dBA (0-100% load) 30-51 dBA (0-100% load) Certifications Certifications Audible Noise at 1.0M from Surface of Unit Audible Noise Audible Noise at 1.0M from Surface of Unit Audible Noise	· · · · · · · · · · · · · · · · · · ·		
SNMP/HTTP Remote Monitoring Yes - with optional RMCARD205 Physical Towr Physical Size - UPS Module Towr Dimensions (WxHxD) (mm.) 151 x 225 x 394 196 x 337 x 416 Weight (kg.) 17.4 21.3 Environmental Operating Temperature (°C) 0 - 40 Operating Relative Humidity (Non-condensing) (%) 20 - 90 Online Thermal Dissipation (BTU/hr) 682 1023 Audible Noise at 1.0M from Surface of Unit 26-54 dBA (0-100% load) 30-51 dBA (0-100% load) Certifications	Power Management Software		
Physical Form Factor Towr Physical Size - UPS Module Dimensions (WxHxD) (mm.) 151 x 225 x 394 196 x 337 x 416 Weight (kg.) 17.4 21.3 Environmental Operating Temperature (°C) 0 - 40 Operating Relative Humidity (Non-condensing) (%) 20 - 90 Online Thermal Dissipation (BTU/hr) 682 1023 Audible Noise at 1.0M from Surface of Unit 26-54 dBA (0-100% load) 30-51 dBA (0-100% load) Certifications ————————————————————————————————————	SNMP/HTTP Remote Monitoring	·	
Form Factor Tower Physical Size - UPS Module Tower Dimensions (WxHxD) (mm.) 151 x 225 x 394 196 x 337 x 416 Weight (kg.) 17.4 21.3 Environmental Operating Temperature (°C) 0 - 40 Operating Relative Humidity (Non-condensing) (%) 20 - 90 Online Thermal Dissipation (BTU/hr) 682 1023 Audible Noise at 1.0M from Surface of Unit 26-54 dBA (0-100% load) 30-51 dBA (0-100% load) Certifications Certifications 30-51 dBA (0-100% load)	Physical		
Physical Size - UPS Module Dimensions (WxHxD) (mm.) 151 x 225 x 394 196 x 337 x 416 Weight (kg.) 17.4 21.3 Environmental Operating Temperature (°C) 0 - 40 Operating Relative Humidity (Non-condensing) (%) 20 - 90 Online Thermal Dissipation (BTU/hr) 682 1023 Audible Noise at 1.0M from Surface of Unit 26-54 dBA (0-100% load) 30-51 dBA (0-100% load) Certifications		To	wer
Dimensions (WxHxD) (mm.) 151 x 225 x 394 196 x 337 x 416 Weight (kg.) 17.4 21.3 Environmental Operating Temperature (°C) 0 - 40 Operating Relative Humidity (Non-condensing) (%) 20 - 90 Online Thermal Dissipation (BTU/hr) 682 1023 Audible Noise at 1.0M from Surface of Unit 26-54 dBA (0-100% load) 30-51 dBA (0-100% load) Certifications			···
Weight (kg.) 17.4 21.3 Environmental Operating Temperature (°C) 0 - 40 Operating Relative Humidity (Non-condensing) (%) 20 - 90 Online Thermal Dissipation (BTU/hr) 682 1023 Audible Noise at 1.0M from Surface of Unit 26-54 dBA (0-100% load) 30-51 dBA (0-100% load) Certifications	•	151 x 225 x 394	196 x 337 x 416
Environmental Operating Temperature (°C) 0 - 40 Operating Relative Humidity (Non-condensing) (%) 20 - 90 Online Thermal Dissipation (BTU/hr) 682 1023 Audible Noise at 1.0M from Surface of Unit 26-54 dBA (0-100% load) 30-51 dBA (0-100% load) Certifications			
Operating Temperature (°C) 0 - 40 Operating Relative Humidity (Non-condensing) (%) 20 - 90 Online Thermal Dissipation (BTU/hr) 682 1023 Audible Noise at 1.0M from Surface of Unit 26-54 dBA (0-100% load) 30-51 dBA (0-100% load) Certifications			
Operating Relative Humidity (Non-condensing) (%) Online Thermal Dissipation (BTU/hr) Audible Noise at 1.0M from Surface of Unit Certifications		0	40
(Non-condensing) (%) 20 - 90 Online Thermal Dissipation (BTU/hr) 682 1023 Audible Noise at 1.0M from Surface of Unit 26-54 dBA (0-100% load) 30-51 dBA (0-100% load) Certifications		0 ~	70
Online Thermal Dissipation (BTU/hr) 682 1023 Audible Noise at 1.0M from Surface of Unit 26-54 dBA (0-100% load) 30-51 dBA (0-100% load) Certifications		20	- 90
Audible Noise at 1.0M from Surface of Unit 26-54 dBA (0-100% load) 30-51 dBA (0-100% load) Certifications		200	5007
Certifications			
		26-54 dBA (0-100% load)	3U-51 dBA (U-100% load)
			_
	Certifications*		
RoHS Yes *Certifications may vary according to different regions. Visit www.cybernower.com for more information.	RoHS		es

 $^{^{\}circ}$ Certifications may vary according to different regions. Visit www.cyberpower.com for more information. #All specifications are subject to change without notice.