# Cyber Power

### **ONLINE S (ADVANCED) SERIES**





OLS1000ERT2UA/OLS1500ERT2UA

OLS2000ERT2UA

## TRUSTWORTHY ONLINE UPS TO SAFEGUARD DATA CENTER













#### The high-performance online double-conversion UPS that offers reliable power protection

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 Extended Battery Modules (EBM) can be employed to increase system runtime during power outages. The variable speed fans provide automatic thermal management based on power load to reduce noise and provide greater comfort for users. The products also allow users to perform real-time monitoring and remote management of the UPS via PowerPanel Power Management Software.

#### SERIES FEATURES

- Online (Double Conversion) UPS Topology
- ECO Mode
- Generator Compatible
- Overload Protection
- Zero Transfer Time

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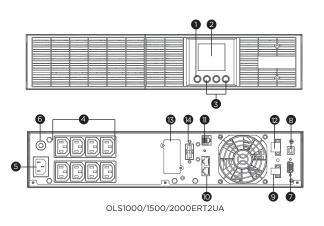
- Smart Battery Management (SBM)
- Extended Battery Module Auto-detection
- Surge and Spike Protection

## Critical/Non-critical Load Outlets EMI and RFI Filtration

- Phone/Fax/Modem/DSL/Network Protection
- Color LCD Panel
- Variable Speed Fans
- Emergency Power Off (EPO) Port
- PowerPanel Management Software
- SNMP/HTTP Remote Management Capability (Optional)

#### **PRODUCT CALLOUTS**

- 1. Power On/OffSwitch
- 2. LCD Display Panel
- 3. Function Button(s)
- 4. Battery Backup & Surge Protected Outlets
- 5. AC Inlet
- 6. Input Circuit Breaker
- 7. Serial Port
- 8. USB Port
- 9. EPO Port
- 10. Communication Protection Ports RJ-11/RJ-45
- 11. Extended Battery Module Detection Connector
- 12 . Relay-type Dry Contact
- 13 . SNMP/HTTP Network Slot
- 14. Extended Battery Module Connector



#### OLS1000ERT2UA/OLS1500ERT2UA OLS2000ERT2UA

#### **TECHNICAL SPECIFICATIONS**

1odel Name	OLS1000ERT2UA	OLS1500ERT2UA	OLS2000ERT2UA	
Seneral		Online Double Conversion		
JPS Topology				
nergy Saving Technology		Online ECO Mode Efficiency > 95%		
Active PFC Compatibility		Yes		
nput				
Senerator Compatibility		Yes		
Nominal Input Voltage (Vac)		230 ± 10%		
nput Voltage Range (Vac)	160 ~ 300		0 ~ 300	
nput Frequency (Hz)		50 ± 10, 60 ± 10		
nput Frequency Detection		Auto-sensing		
Rated Input Current (A)	4.5		9	
nput Power Factor		0.99		
nput Connector Type		IEC C14		
Dutput				
Capacity (VA)	1000	1500	2000	
Capacity (Watts)	900	1350	1800	
On Battery Waveform		Pure Sine Wave		
On Battery Voltage(s) (Vac)		208 ± 1%, 220 ± 1%, 230 ± 1%, 240 ± 1%		
Dutput Voltage Setting		Configurable		
Dn Battery Frequency (Hz)		50 ± 0.5%, 60 ± 0.5%		
Dutput Frequency Setting		Configurable		
Power Factor		0.9		
Overload Protection		Internal Current Limiting, Circuit Breaker, Fuse		
		110-120% Load for 1 min, >120% Load Immediatel		
Overload Protection (Line Mode)			-	
Overload Protection (Battery Mode)		110-120% Load for 10 sec, >120% Load Immediate	ау	
Overload Protection (Bypass Mode)		>130% Load Immediately		
larmonic Distortion (Linear Load)		THD<3%		
larmonic Distortion (Non-linear Load)		THD<5%		
Dutlet(s) - Total		8		
Dutlet Type		IEC C13 x 8		
Outlet(s) - Battery & Surge Protected		8		
Dutlet(s) - Critical Load (CL)		4		
Dutlet(s) - Non-Critical Load (NCL)		4		
ypical Transfer Time (ms)		0		
Battery		Ŭ		
	13.9	15.3	13.1	
Runtime at Half Load (min)				
untime at Full Load (min)	4.6	5.3	3.8	
ypical Recharge Time (Hours)		4		
Smart Battery Management (SBM)		Yes		
Jser-replaceable		Yes - Qualified Personnel Only		
Battery Type		Sealed Lead-acid		
Replacement Battery Pack (RBP)	RBP0156	RBP0169	RBP0157	
Replacement Battery Pack (RBP) Quantity (pcs)		1		
Compatible Extended Battery Module (EBM)	BPSE24V40ART2U	BPSE48	3V40ART2U	
		3		
1ax. EBM Quantity (pcs)				
urge Protection & Filtering		363		
Aax. EBM Quantity (pcs) Surge Protection & Filtering Surge Suppression (Joules) EMI/RFI Filtration		363 Yes		
iurge Protection & Filtering iurge Suppression (Joules) MI/RFI Filtration		Yes		
Surge Protection & Filtering Surge Suppression (Joules) MI/RFI Filtration Phone/Network Protection RJ11/RJ45				
urge Protection & Filtering urge Suppression (Joules) MI/RFI Filtration hone/Network Protection RJ11/RJ45 Combo)		Yes		
iurge Protection & Filtering iurge Suppression (Joules) MI/RFI Filtration Phone/Network Protection RJ11/RJ45 Combo) fanagement & Communications		Yes 1-in, 1-out		
iurge Protection & Filtering iurge Suppression (Joules) MI/RFI Filtration Phone/Network Protection RJ11/RJ45 Combo) fanagement & Communications CD Panel		Yes 1-in, 1-out Yes		
Surge Protection & Filtering       surge Suppression (Joules)       MI/RFI Filtration       Phone/Network Protection RJ11/RJ45       Combo) <b>fanagement &amp; Communications</b> CD Panel       CD Types		Yes 1-in, 1-out Yes Color LCD		
Surge Protection & Filtering       surge Suppression (Joules)       MI/RFI Filtration       whone/Network Protection RJ11/RJ45       Combo)       flanagement & Communications       CD Panel       CD Types       CD Orientation	-	Yes 1-in, 1-out Yes Color LCD Rotatable LCD - Manual	-	
urge Protection & Filtering     urge Suppression (Joules)     MI/RFI Filtration     'hone/Network Protection RJ11/RJ45     Combo) <b>lanagement &amp; Communications</b> CD Panel     CD Types     CD Orientation     IID Compliant USB Port(s)		Yes 1-in, 1-out Yes Color LCD Rotatable LCD - Manual 1	-	
Surge Protection & Filtering       surge Suppression (Joules)       MI/RFI Filtration       whone/Network Protection RJ11/RJ45       Combol       Management & Communications       CD Panel       CD Types       CD Orientation       HD Compliant USB Port(s)		Yes 1-in, 1-out Yes Color LCD Rotatable LCD - Manual 1 RS2322	-	
Surge Protection & Filtering       Surge Suppression (Joules)       SMI/RFI Filtration       Phone/Network Protection RJ11/RJ45       Combo)       Management & Communications       .CD Panel       .CD Types       .CD Orientation       IID Compliant USB Port(s)       serial Port       Ory Contact (with Relay)		Yes 1-in, 1-out Yes Color LCD Rotatable LCD - Manual 1 RS2322 Yes	-	
Surge Protection & Filtering       Surge Suppression (Joules)       SUM/RFI Filtration       Phone/Network Protection RJ11/RJ45       Combo)       Anagement & Communications       CD Panel       .CD Types       .CD Orientation       HID Compliant USB Port(s)       serial Port       ryc Contact (with Relay)       Emergency Power Off (EPO) Port		Yes I-in, 1-out Yes Color LCD Rotatable LCD - Manual 1 RS2322 Yes Yes Yes	-	
Surge Protection & Filtering       surge Suppression (Joules)       MI/RFI Filtration       Phone/Network Protection RJ11/RJ45       Combo)       fanagement & Communications       CD Panel       .CD Types       .CD Orientation       HD Compliant USB Port(s)       ierial Port       ryc Contact (with Relay)       imargency Power Off (EPO) Port		Yes I-in, 1-out Yes Color LCD Rotatable LCD - Manual 1 RS2322 Yes Yes Yes PowerPanel Business (Recommended)	-	
Surge Protection & Filtering       surge Suppression (Joules)       WI/RFI Filtration       Phone/Network Protection RJ11/RJ45       Combo)       fanagement & Communications       CD Panel       .CD Types       .CD Orientation       HD Compliant USB Port(s)       weral Port       .byry Contact (with Relay)       .cmergency Power Off (EPO) Port       .cower Management Software		Yes I-in, 1-out Yes Color LCD Rotatable LCD - Manual 1 RS2322 Yes Yes Yes	-	
Burge Protection & Filtering       Burge Suppression (Joules)       MI/RFI Filtration       whone/Network Protection RJ11/RJ45       Combo)       Management & Communications       CD Panel       CD Types       CD Orientation       IID Compliant USB Port(s)       Berial Port       Dry Contact (with Relay)       Remergency Power Off (EPO) Port       Power Management Software       WMP/HTTP Remote Monitoring		Yes I-in, 1-out Yes Color LCD Rotatable LCD - Manual 1 RS2322 Yes Yes Yes PowerPanel Business (Recommended)		
urge Protection & Filtering     urge Suppression (Joules)     MI/RFI Filtration     hone/Network Protection RJ11/RJ45     Combo)     lanagement & Communications     CD Panel     CD Types     CD Orientation     IID Compliant USB Port(s)     erial Port     rry Contact (with Relay)     mergency Power Off (EPO) Port     ower Management Software     NMP/HTTP Remote Monitoring		Yes I-in, 1-out Yes Color LCD Rotatable LCD - Manual 1 RS2322 Yes Yes Yes PowerPanel Business (Recommended)	-	
Burge Protection & Filtering       Burge Suppression (Joules)       MI/RFI Filtration       Phone/Network Protection RJ11/RJ45       Combol       Management & Communications       CD Panel       CD Orientation       HD Compliant USB Port(s)       Bergency Power Off (EPO) Port       Power Management Software       NMP/HTTP Remote Monitoring       Hybsical		Yes I-in, 1-out Yes Color LCD Rotatable LCD - Manual 1 RS2322 Yes Yes PowerPanel Business (Recommended) Yes - with optional RMCARD205		
urge Protection & Filtering       urge Suppression (Joules)       MI/RFI Filtration       whone/Network Protection RJ11/RJ45       Comboi       thangement & Communications       CD Panel       CD Types       CD Orientation       IID Compliant USB Port(s)       errial Port       Dry Contact (with Relay)       imergency Power Off (EPO) Port       rower Management Software       NMP/HTTP Remote Monitoring       thysical       orm Factor       thysical Size - UPS Module		Yes I-in, 1-out Yes Color LCD Rotatable LCD - Manual 1 RS2322 Yes Yes PowerPanel Business (Recommended) Yes - with optional RMCARD205 Rackmount, Tower	-	
urge Protection & Filtering       urge Suppression (Joules)       MI/RFI Filtration       hone/Network Protection RJ11/RJ45       Combo)       fanagement & Communications       CD Panel       CD Types       CD Orientation       IID Compliant USB Port(s)       erial Port       ryc Contact (with Relay)       imergency Power Off (EPO) Port       tower Management Software       NMP/HTTP Remote Monitoring       thysical       orm Factor       hysical Size - UPS Module       bimensions (WxHxD) (mm.)		Yes I-in, 1-out Yes Color LCD Rotatable LCD - Manual 1 RS2322 Yes Yes PowerPanel Business (Recommended) Yes - with optional RMCARD205 Rackmount, Tower 438 x 88 x 430		
Burge Protection & Filtering       Burge Suppression (Joules)       WI/RFI Filtration       Phone/Network Protection RJ11/RJ45       Combo)       fanagement & Communications       CD Panel       CD Types       CD Orientation       IID Compliant USB Port(s)       weral Port       Dry Contact (with Relay)       werergency Power Off (EPO) Port       Power Management Software       NMP/HTTP Remote Monitoring       Physical       form Factor       Physical Size - UPS Module       Dimensions (WXHxD) (mm.)       Veight (kg.)		Yes I-in, 1-out Yes Color LCD Rotatable LCD - Manual 1 RS2322 Yes Yes PowerPanel Business (Recommended) Yes - with optional RMCARD205 Rackmount, Tower 438 x 88 x 430 13.8		
urge Protection & Filtering     urge Suppression (Joules)     MI/RFI Filtration     hone/Network Protection RJ11/RJ45     Combo)     Banagement & Communications     CD Panel     CD Orientation     IID Compliant USB Port(s)     erial Port     ryy Contact (with Relay)     mergency Power Off (EPO) Port     tower Management Software     NMP/HTTP Remote Monitoring     hysical     form Factor     hysical Size - UPS Module     Urimensions (WXHxD) (mm.)     Veight (kg.)     nstalled Rack Height (U)		Yes I-in, 1-out Yes Color LCD Rotatable LCD - Manual 1 RS2322 Yes Yes PowerPanel Business (Recommended) Yes - with optional RMCARD205 Rackmount, Tower 438 x 88 x 430		
Burge Protection & Filtering       Burge Suppression (Joules)       EMI/RFI Filtration       Phone/Network Protection RJ11/RJ45       Combo)       Anagement & Communications       CD Panel       CD Orientation       HD Compliant USB Port(s)       Berial Port       Dry Contact (with Relay)       Emergency Power Off (EPO) Port       Power Management Software       BMP/HTTP Remote Monitoring       Physical       Formersons (WxHxD) (mm.)       Weight (Kg.)       Intella Rack Height (U)		Yes I-in, 1-out Yes Color LCD Rotatable LCD - Manual 1 RS2322 Yes Yes PowerPanel Business (Recommended) Yes - with optional RMCARD205 Rackmount, Tower 438 x 88 x 430 13.8 2		
Burge Protection & Filtering       Burge Suppression (Joules)       Burge Suppression (Joules)       EMI/RFI Filtration       Phone/Network Protection RJ11/RJ45       Combo)       Management & Communications       .CD Panel       .CD Types       .CD Orientation       IID Compliant USB Port(s)       Gerial Port       Dry Contact (with Relay)       Emergency Power Off (EPO) Port       Power Management Software       SIMP/HTTP Remote Monitoring       Physical       Form Factor       Physical Size - UPS Module       Dimensions (WXHxD) (mm.)       Weight (kg.)       Installed Rack Height (U)       Environmental		Yes I-in, 1-out Yes Color LCD Rotatable LCD - Manual 1 RS2322 Yes Yes PowerPanel Business (Recommended) Yes - with optional RMCARD205 Rackmount, Tower 438 x 88 x 430 13.8		
Surge Protection & Filtering       Surge Suppression (Joules)       Mi/REI Filtration       Phone/Network Protection RJ11/RJ45       Combo)       Anagement & Communications       .CD Panel       .CD Types       .CD Orientation       IID Compliant USB Port(s)       Serial Port       Dyr Contact (with Relay)       Emergency Power Off (EPO) Port       Power Management Software       SIMMP/HTTP Remote Monitoring       Physical       Form Factor       Physical Size - UPS Module       Dimensions (WxHxD) (mm.)       Weight (kg.)       Installed Rack Height (U)       Environmental       Operating Temperature (°C)       Operating Relative Humidity		Yes I-in, 1-out Yes Color LCD Rotatable LCD - Manual 1 RS2322 Yes Yes PowerPanel Business (Recommended) Yes - with optional RMCARD205 Rackmount, Tower 438 x 88 x 430 13.8 2		
Surge Protection & Filtering       Surge Suppression (Joules)       Anagement & Communications       CD Panel       .CD Types       .CD Orientation       HID Compliant USB Port(s)       Serial Port       Dry Contact (with Relay)       Series Port       Pay Contact (with Relay)       Series Port       Power Management Software       NNMP/HTTP Remote Monitoring       Physical       Sorm Factor       Physical       Sorm Factor       Physical Isze - UPS Module       Dimensions (WxHxD) (mm.)       Weight (kg.)       nstalled Rack Height (U)       Sinvironmental       Doperating Temperature (°C)       Doperating Relative Humidity       Non-condensing) (%)	13.5	Yes I-in, 1-out Yes Color LCD Rotatable LCD - Manual 1 RS2322 Yes Yes PowerPanel Business (Recommended) Yes - with optional RMCARD205 Rackmount, Tower 438 × 88 × 430 13.8 2 0 - 40 20 - 90	19.2	
Burge Protection & Filtering       Burge Suppression (Joules)       Burge Suppression (Joules)       BM/RFI Filtration       Phone/Network Protection RJ11/RJ45       Combo)       Aanagement & Communications       CD Panel       CD Orientation       HD Compliant USB Port(s)       Berail Port       Dry Contact (with Relay)       Emergency Power Off (EPO) Port       Power Management Software       NMP/HTTP Remote Monitoring       Physical       Born Factor       Physical Size - UPS Module       Dimensions (WXHxD) (mm.)       Weight (kg.)       Installed Rack Height (U)       Environmental       Doperating Relative Humidity       Non-condensing) (%)       Donline Thermal Dissipation (BTU/hr)		Yes I-in, 1-out Yes Color LCD Rotatable LCD - Manual 1 RS2322 Yes Yes PowerPanel Business (Recommended) Yes - with optional RMCARD205 Rackmount, Tower 438 × 88 × 430 13.8 2 0 - 40 20 - 90		
Surge Protection & Filtering       Surge Suppression (Joules)       Anagement & Communications       CD Panel       .CD Types       .CD Orientation       HID Compliant USB Port(s)       Serial Port       Dry Contact (with Relay)       Series Port       Pay Contact (with Relay)       Series Port       Power Management Software       NNMP/HTTP Remote Monitoring       Physical       Sorm Factor       Physical       Sorm Factor       Physical Isze - UPS Module       Dimensions (WxHxD) (mm.)       Weight (kg.)       nstalled Rack Height (U)       Sinvironmental       Doperating Temperature (°C)       Doperating Relative Humidity       Non-condensing) (%)	13.5	Yes I-in, 1-out Yes Color LCD Rotatable LCD - Manual 1 RS2322 Yes Yes PowerPanel Business (Recommended) Yes - with optional RMCARD205 Rackmount, Tower 438 × 88 × 430 13.8 2 0 - 40 20 - 90	19.2	
Burge Protection & Filtering       Burge Suppression (Joules)       Burge Suppression (Joules)       BM/RFI Filtration       Phone/Network Protection RJ11/RJ45       Combo)       Aanagement & Communications       CD Panel       CD Orientation       HD Compliant USB Port(s)       Berail Port       Dry Contact (with Relay)       Emergency Power Off (EPO) Port       Power Management Software       NMP/HTTP Remote Monitoring       Physical       Born Factor       Physical Size - UPS Module       Dimensions (WXHxD) (mm.)       Weight (kg.)       Installed Rack Height (U)       Environmental       Doperating Relative Humidity       Non-condensing) (%)       Donline Thermal Dissipation (BTU/hr)	13.5	Yes I-in, 1-out Yes Color LCD Rotatable LCD - Manual 1 RS2322 Yes Yes PowerPanel Business (Recommended) Yes - with optional RMCARD205 Rackmount, Tower 438 × 88 × 430 13.8 2 0 - 40 20 - 90	19.2	

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

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