ONLINE S (3-PHASE) SERIES















The 3-Phase UPS that can achieve N+X power redundancy for enterprise applications

Designed for server room and data center applications, the Online S (3-Phase) Series adopts double-conversion topology to provide seamless Pure Sine Wave output. The products are compatible with generators to prolong power continuity. The UPSs also adopt ECO Mode to save on energy costs, Smart Battery Management (SBM) to extend battery lifespan, and multifunction LCD readout to display UPS status. The power management software allows users to easily control and monitor the UPS system.

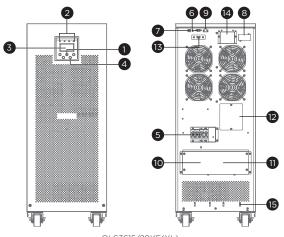
SERIES FEATURES

- Three Phase Tower UPS
- Online (Double Conversion) UPS Topology
- ECO Mode
- UPS Parallel Expansion
- Dual Inputs
- Generator Compatible
- Pure Sine Wave Output
- Maintenance Bypass Switch

- LCD Status Display
- Emergency Power Off (EPO) Port
- Battery Cold Start
- Extended Battery Module (EBM)
- Smart Battery Management (SBM)
- SNMP/HTTP Remote Management Capability (Optional)
- PowerPanel® Management Software

PRODUCT CALLOUTS

- 1. Power On/Off Switch
- 2. LED Status Indicators
- 3. LCD Display Panel
- 4. Function Button(s)
- 5. Input Circuit Breaker
- 6. Serial Port
- 7. USB Port
- 8. SNMP/HTTP Network Slot
- 9. EPO Port
- 10. Input Terminal Block
- 11. Output Terminal Block
- 12. Maintenance Bypass Switch
- 13. Dry Contact (Optional) 14. Parallel Board Slot
- 15. Self-locking Frame



OLS3S15/20KE(XL)

TECHNICAL SPECIFICATIONS

Model Name General Phase Form Factor Energy Saving Technology Normal Mode E ciency (%) Battery Mode E ciency (%) Parallel Expansion (Max. Units) Input Dual Power Inputs Nominal Input Voltage (Vac) Input Voltage Range (Vac) Input Frequency (Hz) Input Frequency (Hz) Input Frequency (Hz) Output Capacity (VA) Capacity (Watts) On Battery Voltage (Vac) Output Frequency (Hz ± %) Power Factor Overload Protection (Line Mode) Crest Factor Overload Protection (Linear Load) Harmonic Distortion (Non-linear Load) Battery Runtime at Half Load (min) Runtime at Full Load (for Specific Battery) Runtime at Full Load (For Specific Battery) Compatible Battery Types	15000 13500	To Online ECO Mode Online ECO Mode O. O. Y. Line to Neutral (L-N):220, 230, 240 Va Line to Neutral (L-N):176 - 276 Va 50 ± 5, 45 · O. 20000 18000 208 ± 1%, 220 ± 1% Line to Neutral (L-N): 50 ± 0.1, Od for 5 min, 110-130% Load for 1 min, 13 3 THD	15000 15000 15000 13500 , 230 ± 1%, 240 ± 1% 208, 220, 230, 240 Vac .60 ± 0.1 .930-150% Load for 10 sec, >150% Load :1 <2%	20000 18000		
Phase Form Factor Energy Saving Technology Normal Mode E ciency (%) Battery Mode E ciency (%) Parallel Expansion (Max. Units) Input Dual Power Inputs Nominal Input Voltage (Vac) Input Voltage Range (Vac) Input Frequency (Hz) Input Frequency (Hz) Input Power Factor Output Capacity (VA) Capacity (VA) Capacity (Wats) On Battery Voltage (Vac) Rated Output Voltage (Vac) Output Frequency (Hz ± %) Power Factor Overload Protection (Line Mode) Crest Factor Harmonic Distortion (Linear Load) Harmonic Distortion (Non-linear Load) Battery Runtime at Half Load (min) Runtime at Full Load (For Specific Battery) Runtime at Full Load (For Specific Battery)	15000 13500 100-110% Loa	To Online ECO Mode Online ECO Mode O. O. Y. Line to Neutral (L-N):220, 230, 240 Va Line to Neutral (L-N):176 - 276 Va 50 ± 5, 45 · O. 20000 18000 208 ± 1%, 220 ± 1% Line to Neutral (L-N): 50 ± 0.1, Od for 5 min, 110-130% Load for 1 min, 13 3 THD	wer e Efficiency > 97% 94 92 4 es ac, Line to Line (L-L):380, 400, 415 Va ac, Line to Line (L-L):305 - 478 Vac 60 ± 6 - 66 99 15000 13500 , 230 ± 1%, 240 ± 1% 208, 220, 230, 240 Vac .60 ± 0.1 .9 50-150% Load for 10 sec, >150% Load :1 <<2%	20000 18000		
Form Factor Energy Saving Technology Normal Mode E ciency (%) Battery Mode E ciency (%) Parallel Expansion (Max. Units) Input Dual Power Inputs Nominal Input Voltage (Vac) Input Voltage Range (Vac) Input Frequency (Hz) Input Frequency Range (Hz) Input Frequency Range (Hz) Input Frequency Range (Hz) Output Capacity (VA) Capacity (Watts) On Battery Voltage (Vac) Output Frequency (Hz ± %) Power Factor Overload Protection (Line Mode) Crest Factor Harmonic Distortion (Non-linear Load) Harmonic Distortion (Non-linear Load) Battery Runtime at Half Load (min) Runtime at Full Load (For Specific Battery) Runtime at Full Load (For Specific Battery)	15000 13500 100-110% Loa	To Online ECO Mode Online ECO Mode O. O. Y. Line to Neutral (L-N):220, 230, 240 Va Line to Neutral (L-N):176 - 276 Va 50 ± 5, 45 · O. 20000 18000 208 ± 1%, 220 ± 1% Line to Neutral (L-N): 50 ± 0.1, Od for 5 min, 110-130% Load for 1 min, 13 3 THD	wer e Efficiency > 97% 94 92 4 es ac, Line to Line (L-L):380, 400, 415 Va ac, Line to Line (L-L):305 - 478 Vac 60 ± 6 - 66 99 15000 13500 , 230 ± 1%, 240 ± 1% 208, 220, 230, 240 Vac .60 ± 0.1 .9 50-150% Load for 10 sec, >150% Load :1 <<2%	20000 18000		
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Rated Output Voltage (Vac) Output Frequency (Hz ± %) Power Factor Overload Protection (Line Mode) Crest Factor Harmonic Distortion (Linear Load) Harmonic Distortion (Non-linear Load) Battery Runtime at Half Load (min) Runtime at Half Load (min) Runtime at Half Load (For Specific Battery) Runtime at Full Load (For Specific Battery)	15.3	Line to Neutral (L-N): 2 50 ± 0.1, 0 d for 5 min, 110-130% Load for 1 min, 13 3 THD	208, 220, 230, 240 Vac , 60 ± 0.1 .9 80-150% Load for 10 sec, >150% Load :1 <2%	for 2 sec		
Output Frequency (Hz ± %) Power Factor Overload Protection (Line Mode) Crest Factor Harmonic Distortion (Linear Load) Harmonic Distortion (Non-linear Load) Battery Runtime at Half Load (min) Runtime at Half Load (min) Runtime at Half Load (For Specific Battery) Runtime at Full Load (For Specific Battery)	15.3	50 ± 0.1, 0 d for 5 min, 110-130% Load for 1 min, 13 3 THD	, 60 ± 0.1 .9 80-150% Load for 10 sec, >150% Load :1 <2%	for 2 sec		
Power Factor Overload Protection (Line Mode) Crest Factor Harmonic Distortion (Linear Load) Harmonic Distortion (Non-linear Load) Battery Runtime at Half Load (min) Runtime at Full Load (min) Runtime at Half Load (For Specific Battery) Runtime at Full Load (For Specific Battery)	15.3	0 d for 5 min, 110-130% Load for 1 min, 13 3 THD	.9 30-150% Load for 10 sec, >150% Load : 1 <2%	for 2 sec		
Overload Protection (Line Mode) Crest Factor Harmonic Distortion (Linear Load) Harmonic Distortion (Non-linear Load) Battery Runtime at Half Load (min) Runtime at Full Load (min) Runtime at Half Load (For Specific Battery) Runtime at Full Load (For Specific Battery)	15.3	d for 5 min, 110-130% Load for 1 min, 13 3 THD	30-150% Load for 10 sec, >150% Load : 1 <2%	for 2 sec		
Crest Factor Harmonic Distortion (Linear Load) Harmonic Distortion (Non-linear Load) Battery Runtime at Half Load (min) Runtime at Half Load (min) Runtime at Half Load (For Specific Battery) Runtime at Full Load (For Specific Battery)	15.3	3 THD	:1 <2%	for 2 sec		
Harmonic Distortion (Linear Load) Harmonic Distortion (Non-linear Load) Battery Runtime at Half Load (min) Runtime at Half Load (min) Runtime at Half Load (For Specific Battery) Runtime at Full Load (For Specific Battery)		THD	<2%			
Harmonic Distortion (Non-linear Load) Battery Runtime at Half Load (min) Runtime at Half Load (min) Runtime at Half Load (For Specific Battery) Runtime at Full Load (For Specific Battery)						
Harmonic Distortion (Non-linear Load) Battery Runtime at Half Load (min) Runtime at Half Load (min) Runtime at Half Load (For Specific Battery) Runtime at Full Load (For Specific Battery)		THD	THD<2%			
Battery Runtime at Half Load (min) Runtime at Full Load (min) Runtime at Half Load (For Specific Battery) Runtime at Full Load (For Specific Battery)			THD<5%			
Runtime at Half Load (min) Runtime at Full Load (min) Runtime at Half Load (For Specific Battery) Runtime at Full Load (For Specific Battery)						
Runtime at Full Load (min) Runtime at Half Load (For Specific Battery) Runtime at Full Load (For Specific Battery)		12.8		-		
Runtime at Half Load (For Specific Battery) Runtime at Full Load (For Specific Battery)	0.4	1.5		_		
(For Specific Battery) Runtime at Full Load (For Specific Battery)						
Runtime at Full Load (For Specific Battery)	15.3mins at18AH	12.8mins at18AH		-		
(For Specific Battery)						
	6.4mins at18AH	1.5mins at18AH		-		
Compatible Battery Types						
		VR	RLA			
Recharge Power (%)	Default3.5%	Default2.67%	Default5.3 %	Default16%		
Recharge Fower (70)	(Selectable from1~5%x UPS Capacity)	(Selectable from1~5%x UPS Capacity)	(Selectable from 1-10%x UPS Capacity)	(Selectable from1~20%x UPS Capacity)		
Charger Voltage Tolerance (%)		11	%			
Battery Type	Sealed L	ead-acid		-		
Battery Solution	Internal Battery		With Internal battery space (no battery included)			
Battery Quantity (pcs)	20			-		
Reserved Space for Internal Battery	40					
Battery Voltage (V)	240 -					
Single Battery Capacity (AH)	12 V			-		
	12 V	3 AT				
Compatible Extended Battery Module (EBM)		BPSE24	40V82A			
		10)/	10			
External Battery Quantity		I2V X	40pcs			
Management & Communications						
LCD Panel	Yes					
LCD Information Display	Operation Type, Power Status, Battery Status, Load Status, Fault & Warning, Other Information, Event & Log					
LCD Setting & Control	Mode Setting, Alarm Setting, Input & Output, Battery Setting, Fault & Warning, Communication, Event & Log, Security Setting					
LED Indicators	Line Mode, Battery Mode, Bypass Mode, UPS Fault					
Serial Port	RS232					
Dry Contact (with Relay)	Optional					
Emergency Power Off (EPO) Port	Yes					
Power Management Software	PowerPanel* Business (Recommended)					
SNMP/HTTP Remote Monitoring	Yes - with optional RMCARD205					
Physical		. 23 3540				
Ingress Protection		ID	20			
		IF.	20			
Physical Size - UPS Module	350 x 890 x 650	750 v 900 v 650				
Dimensions (WxHxD) (mm.)		350 x 890 x 650		-		
Weight (kg.)	17	72		-		
Physical Size - Power Module						
Dimensions (WxHxD) (mm.)	-			390 x 650		
Weight (kg.)			56	59		
Environmental						
Operating Temperature (°C)		0 ~	40			
Operating Relative Humidity		•	00			
(Non-condensing) (%)		0 ~	90			
Operating Elevation (feet/meters)		≤1000, Load Derated 1% per 10	00m from 1000m and 2000m			
Storage Temperature (°C)			~ 45			
Storage Relative Humidity (Non-condensing) (%)		0 ~	95			
(50114611311197 (707						
		6	50			
Audible Noise at 1.5M						
from Surface of Unit (dBA)						
from Surface of Unit (dBA) Certifications		C	Œ			
from Surface of Unit (dBA)			es			

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