

OL3T030KERTHD/OL3T040KERTHD
OL3T045KERTHD

3-PHASE DATA CENTER UPS WITH COLOR LCD TOUCH SCREEN TO SAFEGUARD CRITICAL OPERATIONS



Three-phase
Design



ECO Mode



Color LCD Panel



LCD Touch Panel



UPS Parallel
Expansion



Remote
Management
Capability

Trustworthy battery backup with color LCD touch screen while supporting parallel expansion

Designed for office, back office, server room and data center applications, the Online (3-Phase) Series adopts double-conversion topology to offer ideal power solution. With a rack and tower convertible form, selected products allow flexible installation and can be used within 19" standard rack cabinets. By paralleling multiple UPS units, this series can achieve higher capacity to meet different power requirements. Additionally, the color LCD with touch panel allows convenient system monitoring and configurations, while supporting screen rotation through LCD setting for proper viewing orientation.

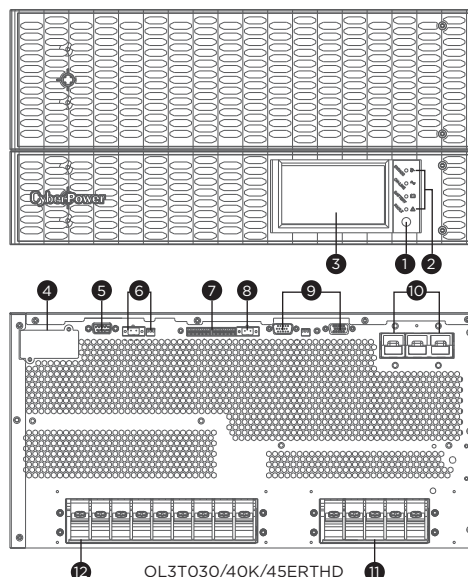
SERIES FEATURES

- Three-phase Design
- Online (Double Conversion) UPS Topology
- ECO Mode
- High Output Power Factor*
- Rack Modular Design
- Color LCD Panel
- LCD Touch Panel
- Dual Inputs
- Generator Compatible
- Pure Sine Wave Output
- Battery Cold Start
- UPS Parallel Expansion
- Smart Battery Management (SBM)
- Extended Battery Module (EBM)
- SNMP/HTTP Remote Management Capability (Optional)
- PowerPanel Management Software

*Selected Model(s)

PRODUCT CALLOUTS

- 1 . Power On/Off & Battery Cold Start Button
- 2 . LED Status Indicator
- 3 . LCD Control Panel
- 4 . SNMP/HTTP Network Slot
- 5 . RS232
- 6 . RS485
- 7 . Dry Contact
- 8 . EPO Port
- 9 . Parallel Port
- 10 . Extended Battery Module Connector
- 11 . Output Terminal Block
- 12 . Input Terminal Block





TECHNICAL SPECIFICATIONS

Model Name	OL3T030KERTHD		OL3T040KERTHD	OL3T045KERTHD
General				
Phase	Three Phase			
Form Factor	Rackmount, Tower			
Energy Saving Technology	Online ECO Mode Efficiency > 98.9%			
Normal Mode Efficiency (%)	95.8%			
Battery Mode Efficiency (%)	95.5%			
Parallel Expansion (Max. Units)	4			
Input				
Dual Power Inputs	Yes			
Default Input Voltage Range (Bypass)	10% - -15%			
Overload Protection (Bypass)	125% Load for continuous operation, 150% Load for 10 min, 1000% Load for 5 ms		115% Load for continuous operation, 135% Load for 10 min, 1000% Load for 5 ms	
Default Frequency Tolerance (Bypass)	± 10%			
Configurable Frequency Tolerance (Bypass)	± 10 %, ± 20 %			
Current Rating of Neutral Cable (Bypass) (A)	1.7 x Input Rated Current			
Input Connector	L1, L2, L3, N, G			
Input Frequency Range (Hz)	40 - 70			
Input Power Factor	0.99			
Nominal Input Voltage (Vac)	Line to Neutral (L-N):220, 230, 240 Vac, Line to Line (L-L):380, 400, 415 Vac			
Input Voltage Range (Vac)	Line to Neutral (L-N):132 - 276 Vac, Line to Line (L-L):228 - 478 Vac			
Input Voltage Range Note	Conditional linear power de-rating			
THDI (%)	<3% (Full Linear Load)		<2% (Full Linear Load)	
Output				
Capacity (VA)	30000	40000	45000	
Capacity (Watts)	30000	40000	40000	
Output Connector	L1, L2, L3, N, G			
Rated Output Voltage (Vac)	Line to Neutral (L-N):220, 230, 240 Vac, Line to Line (L-L):380, 400, 415 Vac			
Output Voltage Tolerance (%)	Balance Load:1%			
Output Frequency (Hz ± %)	50 ± 0.2, 60 ± 0.166			
Max Change Rate of Sync Frequency (Default) (Hz/sec)	1			
Power Factor	1		0.88	
Overload Protection (Line Mode)	102-110% Load for 60 min, 110-125% Load for 10 min, 125-150% Load for 1 min, >150% Load for 200 ms		102-110% Load for 60 min, 110-115% Load for 10 min, 115-135% Load for 1 min, >135% Load for 200 ms	
Crest Factor	3 : 1			
Harmonic Distortion (Linear Load)	THD<1%			
Harmonic Distortion (Non-linear Load)	THD<3%			
Battery				
Compatible Battery Types	VRLA			
Charger Voltage Tolerance (%)	≤ 1 %			
Battery Solution	Extended Battery			
Battery Voltage (V)	±240			
Compatible Extended Battery Module (EBM)	BME480V55ART5U			
External Battery Quantity	12V x 40pcs			
Management & Communications				
LCD Panel	Yes			
LCD Types	Color LCD, LCD Touch Panel			
LCD Information Display	Operation Type, Power Status, Battery Status, Load Status, Fault & Warning, Other Information, Event & Log			
LCD Setting & Control	Mode Setting, Input & Output, Battery Setting, Communication, Event & Log, Security Setting, Language			
LED Indicators	Yes			
Serial Port	RS485 x 1 + Dry Contact x1			
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				
Ingress Protection	IP20			
Physical Size - UPS Module				
Dimensions (WxHxD) (mm.)	433 x 219 x 730			
Weight (kg.)	42.8			
Environmental				
Operating Temperature (°C)	0 - 40			
Operating Temperature Note	Derating to 80% load between 41°C and 50°C			
Operating Relative Humidity (Non-condensing) (%)	0 - 95			
Operating Elevation (feet/meters)	0-9,843 feet (0-3,000 meters)			
Operating Elevation Note	At ≤1,000m above sea level, de-rate power by 1% per 100m between 1,000m and 3,048m			
Storage Temperature (°C)	-40 - 70			
Storage Relative Humidity (Non-condensing) (%)	0 - 95			
Audible Noise at 1.0M from Surface of Unit	56dBA (50% load), 66dBA (100% load)			
Certifications				
Certifications*	CE, BSMI, IEC62040-1, IEC62040-2, CNS 14757-2, CNS 14843-1			
RoHS	Yes			

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

