CyberPower

HSTP3T (3-PHASE) SERIES



HSTP3T60KE/HSTP3T80KE
HSTP3T90KE/HSTP3T100KE/HSTP3T120KE

3-PHASE ONLINE UPS TO SAFEGUARD DATA CENTER

Three-phase Design

Online (Double Conversion) UPS Topology

ECO Mode

LCD Touch Panel

UPS Parallel Expansion

Input
Dual Inputs

The 3-Phase UPS with parallel expansion capability for enterprise applications

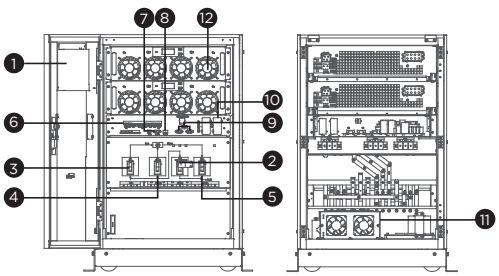
Designed for server room and data center applications, the HSTP3T (3-Phase) Series adopts double-conversion topology to provide seamless Pure Sine Wave output. The products also adopt ECO Mode to save on energy costs, Smart Battery Management (SBM) to extend battery lifespan, and multifunction LCD readout to display precise information. The power management software allows users to easily control and monitor the UPS system.

SERIES FEATURES

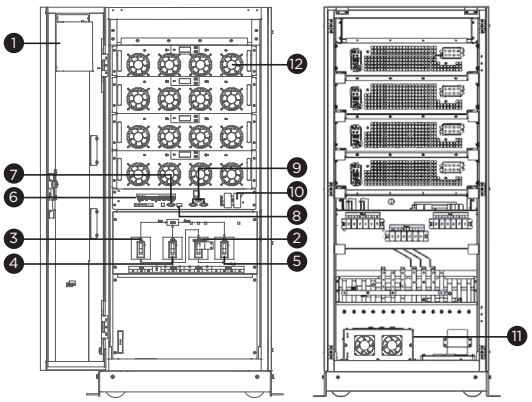
- Three-phase Design
- Online (Double Conversion) UPS Topology
- Hot-swappable Power Modules
- ECO Mode
- LCD Touch Panel
- UPS Parallel Expansion
- Dual Inputs
- Generator Compatible
- Pure Sine Wave Output
- Overload Protection
- Maintenance Bypass Switch
- LCD Status Display
- Emergency Power Off (EPO) Port
- SNMP/HTTP Remote Management Capability (Optional)
- PowerPanel Management Software

PRODUCT CALLOUTS

1 . LCD Control Panel
2 . Maintenance Bypass Circuit Breaker
3 . Main Input Circuit Breaker
4 . Bypass Input Circuit Breaker
5 . Output Circuit Breaker
6 . Dry Contact
7 . RS232
8 . RS485
9 . Parallel Port
10 . SNMP/HTTP Network Slot
11 . Bypass Fan
12 . Power Module



HSTP3T60KE



HSTP3T80/90/100/120KE

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TECHNICAL SPECIFICATIONS

Model Name	HSTP3T60KE	HSTP3T80KE	HSTP3T90KE	HSTP3T100KE	HSTP3T120KE
General					
Phase	Three Phase				
Form Factor	Tower				
Energy Saving Technology	ECO Mode Efficiency > 98%				
Normal Mode Efficiency (%)	95%	96%	95%	96%	95%
Battery Mode Efficiency (%)	95%	96%	95%	96%	95%
Parallel Expansion (Max. Units)	4				
Input					
Dual Power Inputs	Yes				
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 Frequency (Hz)	50 ± 5, 60 ± 5				
Input Frequency (Configurable) (Hz)	50 ± 1, 60 ± 1, 50 ± 3, 60 ± 3				
Input Frequency Range (Hz)	40 - 70				
THDI (%)	<3% (Linear Load)				
Input Power Factor	0.99				
Output					
Capacity (VA)	60000	80000	90000	100000	120000
Capacity (Watts)	54000	72000	81000	90000	108000
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 (%)	1%				
Output Frequency (Hz ± %)	50 ± 0.1, 60 ± 0.1				
Power Factor	0.9				
Overload Protection (Line Mode)	105-110% Load for 60 min, 110-125% Load for 10 min, 125-150% Load for 1 min, >150% Load Immediately				
Crest Factor	3 : 1				
Harmonic Distortion (Linear Load)	THD＜1%				
Harmonic Distortion (Non-linear Load)	THD＜5%				
Battery					
Compatible Battery Types	VRLA, AGM, Gel, Wet, Lithium-ion				
Recharge Power (%)	Default 10% (Selectable from 1-20% x UPS Capacity)				
Charger Voltage Tolerance (%)	≤ 1 %				
Battery Solution	Extended Battery				
Battery Voltage (V)	±240 (480)				
Compatible Extended Battery Cabinet (EBC)	SMBF17, SMBF20, SMBF26, SMBF33, SMBF40, SMBF65, BCA100N125, BCA12N63, BCA20N125, BCA40N125	SMBF17, SMBF20, SMBF26, SMBF40, SMBF65, BCA100N125, BCA12N63, BCA20N125, BCA40N125			
External Battery Quantity	12V x 40(Default)/32/34/36/38/42/44pcs (32/34pcs require UPS power de-rating)				
Management & Communications					
LCD Panel	Yes				
LCD Types	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		UPS Fault, Yes	Yes	
Serial Port	RS232 x 1 + RS485 x 1 + Dry Contact x 1				
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					
Dimensions (WxHxD) (mm.)	600 x 950 x 980	600 x 1400 x 980			
Weight (kg.)	170	231		266	
Environmental					
Operating Temperature (°C)	0 ~ 40				
Operating Relative Humidity (Non-condensing) (%)	0 ~ 95				
Operating Elevation (meters)	≤1000, Load Derated 1% per 100m from 1000m and 2000m				
Storage Temperature (°C)	-40 ~ 70				
Storage Relative Humidity (Non-condensing) (%)	0 ~ 95				
Audible Noise at 1.0M from Surface of Unit (dBA)	65				
Certifications					
Certifications*	CE, IEC62040-1, IEC62040-2				

*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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CE

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