CyberPower®

HSTP3T15KE-C/20KE-C
HSTP3T10/15/20/30/40/60/80/90/100/120KE
HSTP3T150/200/250/300/400/500KE

HSTP33 (3-Phase) Series

With Parallel Expansion Capability to Achieve N+X Power Redundancy for Enterprise Applications

Three-phase Design | UPS Parallel Expansion | Generator Compatible

Energy-saving | Dual input | Power Management

CyberPower HSTP33 Three-Phase UPS Series 3-Phase online UPS with in-built battery provides long-lasting power backup for data closets, transportation and infrastructure, and emergency systems. With parallel redundancy capability, the HSTP33 (3-Phase) Series UPS is ideal for critical applications in server rooms, data centers, industrial factories, and power generation plants that require high capacity, high reliability, and extended runtimes.

With integrated IGBT technology and intelligent DSP-based control, the UPS produces less input total harmonic distortion (THDi) and achieves higher power efficiency up to 98% in Economy Mode, making it the most efficient UPS in the industry. Higher operating efficiency equates to lowered BTU heat dissipation and lowered idle power consumption, resulting in an operating expense reduction and a lower carbon footprint.

To improve operating efficiency, the UPS system works in bypass mode under normal conditions, during which the inverter is kept on standby. During power failures, the UPS switches to battery mode and the inverter continuously supplies the critical load to the connected equipment.

Online Double Conversion Topology

Online (Double Conversion) topology provides the perfect and reliable output quality regardless of the condition of the incoming power by converting AC power to DC power and then back to AC power. With zero transfer time during unexpected power outages, Online topology guarantees the power continuity of the mission-critical equipment to ensure 100% uptime and system protection.

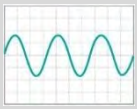
APPLICATIONS

- SME Businesses & Data Centers
- Computer Room, Service Center
- Internet Service Provider (ISP)
- Internet Data Center (IDC)
- Telecommunication and Network Equipment

SERIES FEATURES

- Pure Sine Wave Output
- Online (Double Conversion) UPS Topology
- Parallel Capability
- Dual Input
- Tower Form Factor
- Emergency Power Off (EPO) Port
- Bypass Overload Capability
- LCD+LED, Keyboard, and touch screen*
- Serial Connectivity Ports (RS232.RS485)
- SNMP Remote Management Capability (Optional)
- Monitoring & Management Software

*Select Model



PURE SINE WAVE OUTPUT

For applications which require the highest level of line clarity, CyberPower Long Backup UPS can provide pure sine wave output power, guaranteeing proper function of all devices with perfect power quality. Pure sine wave AC power is critical for electronic devices that have Power Factor Correction (PFC) Power Supplies, small AC motors, and other devices to function properly.

PowerPanel® Business Edition Software

System Graceful Shutdown Software

This software can provide orderly shutdown for your computer systems during the event of an extended AC power failure. This software supports Windows, Linux, and Mac operating systems and virtual platforms Vmware, Microsoft Hyper-V, and Citrix XenServer.

*Software functions may vary due to firmware version and/or hardware constraints.

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TECHNICAL SPECIFICATIONS

Model Name	HSTP3T15KE-C	HSTP3T20KE-C
General		
Phase	Three Phase Tower UPS	
Energy Saving Technology	Online ECO Mode Efficiency > 98%	
Normal Mode Efficiency (%)	95%	
Battery Mode Efficiency (%)	95%	
Parallel Expansion (Max. Units)	4	
Input		
Dual Power Inputs	Yes	
Input Voltage (Vac)	Line to Neutral (L-N):220 ~ 240 Vac, Line to Line (L-L):380 ~ 415 Vac	
Input Frequency (Hz)	50 ± 3, 60 ± 3	
Input Power Factor	0.99	
Output		
Capacity (VA)	15000	20000
Capacity (Watts)	12000	16000
Output Voltage (Vac)	Line to Line (L-L):380 ~ 415 Vac, Line to Neutral (L-N):220 ~ 240 Vac	
Output Voltage Tolerance (%)	1.50%	
Power Factor	0.8	
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 < 5.5%	
Battery		
Typical Recharge Power (%)	20	
Charger Voltage Tolerance (%)	1%	
Management & Communications		
LCD Panel	Yes	
Serial Port	RS232 x 1 + RS485 x 1 + Dry Contact x1	
Dry Contact (with Relay)	Yes	
Emergency Power Off (EPO) Port	Yes	
Power Management Software	PowerPanel® Business Edition	
SNMP / HTTP Remote Monitoring	Yes - with optional RMCARD205	
Physical		
Ingress Protection	IP20	
Physical Size - Power Module		
Dimensions (WxHxD) (mm.)	250 x 530 x 660	
Weight (kg.)	31	
Environmental		
Operating Temperature (°C)	0 ~ 40	
Operating Relative Humidity (Non-condensing) (%)	0 ~ 95	
Certifications		
Certifications	CE, IEC62040-1, IEC62040-2	

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TECHNICAL SPECIFICATIONS

Model Name	HSTP3T10KE	HSTP3T15KE	HSTP3T20KE	HSTP3T30KE	HSTP3T40KE	HSTP3T60KE	HSTP3T80KE	HSTP3T90KE	HSTP3T100KE	HSTP3T120KE
General										
Phase	Three Phase Tower UPS									
Energy Saving Technology	Online ECO Mode Efficiency > 98%									
Normal Mode Efficiency (%)	95%									
Battery Mode Efficiency (%)	95%									
Parallel Expansion (Max. Units)	4									
Input										
Dual Power Inputs	Yes									
Input Voltage (Vac)	Line to Neutral (L-N):220 ~ 240 Vac, Line to Line (L-L):380 ~ 415 Vac									
Input Frequency (Hz)	50 ± 3, 60 ± 3									
Input Power Factor	0.99									
Output										
Capacity (VA)	10000	15000	20000	30000	40000	60000	80000	90000	100000	120000
Capacity (Watts)	9000	13500	18000	27000	36000	54000	72000	81000	90000	108000
Output Voltage (Vac)	Line to Line (L-L):380 ~ 415 Vac, Line to Neutral (L-N):220 ~ 240 Vac									
Output Voltage Tolerance (%)	1.50%									
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 < 5.5%									
Battery										
Typical Recharge Power (%)	20									
Charger Voltage Tolerance (%)	1%									
Built-in Internal Battery Model	HSTP3T10KEBC	HSTP3T15KEBC	HSTP3T20KEBC	HSTP3T30KEBC	HSTP3T40KEBC	N/A				
Management & Communications										
LCD Panel	Yes									
LCD Touch Panel	N/A					Yes				
Serial Port	RS232 x 1 + RS485 x 1 + Dry Contact x1									
Dry Contact (with Relay)	Yes									
Emergency Power Off (EPO) Port	Yes									
Power Management Software	PowerPanel® Business Edition									
SNMP / HTTP Remote Monitoring	Yes - with optional RMCARD205									
Physical										
Ingress Protection	IP20									
Physical Size - Power Module										
Dimensions (WxHxD) (mm.)	250 x 530 x 660		250 x 770 x 680		250 x 770 x 836	600 x 950 x 980	600 x 1400 x 980			
Weight (kg.)	31		50		61	170	231		266	
Physical Size - Built-in Internal Battery Model										
Dimensions (WxHxD) (mm.)	715 x 250 x 840		1335 x 350 x 738		1440 x 500 x 840	N/A				
Weight (kg.)	164		247		456	N/A				
Environmental										
Operating Temperature (°C)	0 ~ 40									
Operating Relative Humidity (Non-condensing) (%)	0 ~ 95									
Certifications										
Certifications	CE, IEC62040-1, IEC62040-2									

#All specifications are subject to change without notice.

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TECHNICAL SPECIFICATIONS

Model Name	HSTP3T150KE	HSTP3T200KE	HSTP3T250KE	HSTP3T300KE	HSTP3T400KE	HSTP3T500KE
General						
Phase	Three Phase Tower UPS					
Energy Saving Technology	Online ECO Mode Efficiency > 98%					
Normal Mode Efficiency (%)	96%					
Battery Mode Efficiency (%)	96%					
Parallel Expansion (Max. Units)	4				3	
Input						
Dual Power Inputs	Yes					
Input Voltage (Vac)	Line to Neutral (L-N):220 ~ 240 Vac, Line to Line (L-L):380 ~ 415 Vac					
Input Frequency (Hz)	50 ± 3, 60 ± 3					
Input Power Factor	0.99					
Output						
Capacity (VA)	150000	200000	250000	300000	400000	500000
Capacity (Watts)	135000	180000	225000	270000	360000	450000
Output Voltage (Vac)	Line to Line (L-L):380 ~ 415 Vac, Line to Neutral (L-N):220 ~ 240 Vac					
Output Voltage Tolerance (%)	1.50%					
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 < 5.5%					
Battery						
Typical Recharge Power (%)	20					
Charger Voltage Tolerance (%)	1%					
Management & Communications						
LCD Panel	Yes					
LCD Touch Panel	Yes					
Serial Port	RS232 x 1 + RS485 x 1 + Dry Contact x1					
Dry Contact (with Relay)	Yes					
Emergency Power Off (EPO) Port	Yes					
Power Management Software	PowerPanel® Business Edition					
SNMP / HTTP Remote Monitoring	Yes - with optional RMCARD205					
Physical						
Ingress Protection	IP20					
Physical Size - Power Module						
Dimensions (WxHxD) (mm.)	650 x 1600 x 960		650 x 2000 x 960		1300 x 2000 x 1100	
Weight (kg.)	305	350	445	490	810	900
Environmental						
Operating Temperature (°C)	0 ~ 40					
Operating Relative Humidity (Non-condensing) (%)	0 ~ 95					
Certifications						
Certifications	CE, IEC62040-1, IEC62040-2					