CyberPower®

HSTP33D0016PV-01

HSTP3T10/15/20/30/40/60/80/90/100/120KE

HSTP33 (3-Phase) Series

Versatile Power Protection with Scalable Runtime For A Wide Range of Power Requirements

Three-phase Design

UPS Parallel Expansion

Generator Compatible

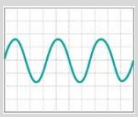
Energy-saving

Input Dual input

Power Management

CyberPower HSTP33 series three-phase UPS offers state-of-the-art technology with quality and reliability, protecting small datacenters, intelligent equipment, and sensitive devices against all power disturbances while allowing customize solution to meet different power requirements from diversified sectors.

Designed with the integrated IGBT technology and high-speed DSP control arithmetic, these UPS modules deliver superior performance through reduced component while enhancing extreme efficiency. With higher power factor corrected input, and paralleling capability, these all result in lower total cost of owner and reduced carbon footprint. Features such as parallel capability for capacity and redundancy, extended backup options, user-friendly graphical display, and optional SNMP network management capability make the HSTP33 series the most effective UPS with manageability and serviceability in its class.



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.

APPLICATIONS

- SME Businesses & Datacenters
- 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
- Available with up to 4 Units in Parallel
- Dual Input
- Tower Form Factor
- Emergency Power Off (EPO) Port
- Bypass Overload Capability
- LCD+LED, keyboard, and *touch screen (*select model)
- Serial Connectivity Ports (RS232.RS485)
- SNMP Remote Management Capability (Optional)
- Monitoring & Management Software

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.

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TECHNICAL SPECIFICATIONS

Model Name	HSTP3T10KE	HSTP3T15KE	HSTP3T20KE	HSTP3T30KE	HSTP3T40KE	HSTP3T60KE	HSTP3T80KE	HSTP3T90KE	HSTP3T100KE	HSTP3T120KE
Configuration										
Topology	Pure Sine Wave									
Model Brief	Three Phase input / Three Phase output Tower UPS									
Capacity (VA / Watts)	10000 / 9000	15000 / 13500	20000 / 18000	30000 / 27000	40000 / 36000	60000 / 54000	80000 / 72000	90000 / 81000	100000 / 90000	120000/ 108000
Main Input										
Input Voltage	380V/400V/415V(line to line) 220V/230V/240V(line to neutral)									
Input Frequency	50/60Hz									
Power Factor	>0.99									
Input Voltage Window	-40% ~ +20% (derating power) -20% ~ +25% (full load)									
Frequency Window	40Hz-70Hz									
Battery										
Battery Voltage	±240VDC									
Quantity of lead-acid cells	40=[1 battery(12V)] , 240=[1 battery(2V)]									
Charger Power	10%*Power (selectable from 1~20%)									
Built-in internal battery model	HSTP3T10KEBC	HSTP3T15KEBC	HSTP3T20KEBC	HSTP3T30KEBC	HSTP3T40KEBC	N/A				
Bypass										
Bypass Voltage	380V/400V/415V, (line to line) / 220V/230V/240V, (line to neutral) (Three phase)									
Bypass Voltage Window	-20%-+15%									
Bypass Overload Capability	load<125%, long time operation 125%< load <130%, last for more than 10 minutes 130%<load<150%,last for more than 1 minutes 150%<load<400%,last for more than 1 second load>400%, last for more than 200ms					load<110%, long time operation 110%< load <125%, last for more than 5 minutes 125%<load<150%,last for more than 1 minutes 150%<load<400%,last for more than 1 second load>400%, last for more than 200ms				
Output										
Output Voltage	380V/400V/415V, three phase 220V/230V/240V, one phase									
Voltage Precision	+1.5% ~ -1.5% (linear load)									
Voltage THD (Total Harmonic Distortion)	THD<1%(linear load), THD<6%(nonlinear load)									
Power Factor	0.9									
Crest Factor	3:1									
Phase Tolerance	120°±0.5° (balance and unbalance load)									
Overload Capability	<105%,long time operation 105%<load<110%, transfer to bypass after 1hour 110%<load<125%, transfer to bypass after 10 minutes 125%<load<150%, transfer to bypass after 1 minute >150%, transfer to bypass after 200ms									
System										
System Efficiency	Normal mode: 95% ECO mode: 98%									
Battery Mode Efficiency	95%					93%				
Display	LCD+LED and keyboard					LCD+LED, Touch screen and keyboard				
Interface (Communication Ports)	RS232,RS485,SNMP card,EPO,Dry contacts									
Installation / Connection	Terminal block connection									
Operation Temperature	0-40 ℃									
Storage Temperature	-40 ℃~70 ℃									
Relative Humidity	0-95% (non-condensing)									
Noise (dB)	<58dB					<65dB				
Maximum parallel units	4pcs									
Physical										
Weight (kg)	31	31	50	50	61	170	231	231	266	266
Dimensions (H x W x D) (mm)	530*250*660	530*250*660	770*250*680	770*250*680	770*250*836	950*600*980	1400*600*980	1400*600*980	1400*600*980	1400*600*980
Physical (Built-in internal battery model)										
Weight (kg)	164	164	247	247	456	N/A				
Dimensions (H x W x D) (mm)	715*250*840	715*250*840	1335*350*738	1335*350*738	1440*500*840	N/A				