

## 3/3 Phase 10-60KVA WTHD High Frequency Online

### Application area:

Small server/Workstation/Sales terminal/Communication base station/ATM

### Product description:

The 10-200KVA Online high frequency UPS takes the three-level technique and soft switch design, with the active power factor correction (APFC) to make the input PFC can be higher as 0.99. The new design make our UPS with high energy density ratio, reduce the UPS machine size very much, and also less occupy the space in the server room. The digital control make UPS with much more stable system, and also have the well ability of self-defensive and fault diagnosis.

### Product characteristics:



Pluggable power module design with front access to decrease MTTR, parallel redundancy capability for power guarantee



Dual-mains inputs



Flexible battery configuration and adjustable charging current



Active power factor correction in all phases



Built-in 7" touch LCD screen for comprehensive information



Emergency power off function(EPO)



Power walk-in function. Support parallel operation with common



Built-in 4 switches including Mains input, bypass input, output and maintenance bypass switch



Output power factor 0.9(10K-20K) ; Output power factor 1.0 (30-



Generator compatible



50Hz/60Hz frequency converter mode



## Product Specifications

Model	WTHD-U33	C10KS	C15KS	C20KS	C30KS	C40KS	C60KS
Rated power (KVA/KW)		10KVA/9KW	15KVA/13.5KW	20KVA/18KW	30KVA/30KW	40KVA/40KW	60KVA/60KW
Main Input	Phase	Three phase four wire + protective ground Or single-phase three-wire (zero/live wire + protected ground)					
	Input Voltage (Vac)	380			360/380/400/415		
	Voltage Range (Vac)	Phase voltage: 190~520Vav@50%Load; 305~478Vac@100%Load; Line voltage: 110~300Vav@50%Load; 176~276Vac@100%Load					
	Frequency range (Hz)	46~54HZ/56~64HZ			40~70HZ		
	Power factor	≥0.99					
Bypass Input	Phase	Three phase four wire + protective ground Or single-phase three-wire (zero/live wire + protected ground)					
	Input Voltage (Vac)	380			360/380/400/415		
	Voltage range (Vac)	Phase voltage: 190~520Vav@50%Load; 305~478Vac@100%Load; Line voltage 110~300Vav@50%Load; 176~276Vac@100%Load					
	Input Frequency (Hz)	46~54HZ/56~64HZ			40~70HZ		
Output	output mode	Three phase four wire + protective ground Or single-phase three-wire (zero/live wire + protected ground)					
	output Voltage	360/380/400/415VAC ±1% (inverter output)					
	output frequency	50 (60) ±0.1%					
	(THDV%)	Sine wave THD <2% (linear load) Sine wave THD <5% (nonlinear load)					
	Power factor	0.9			1.0		
	transfer time	Mains <-> Battery mode 0ms					
	overload capacity	100-110% for 60 minutes, 111-125% for 10 minute, 126-150% for 1 minute, >150% 200ms					
Efficiency	Mains mode	90.5%	91.5%			95.5%	
	ECO mode ECO	95%	96%			98.5%	
	Battery mode	87%	88%			94.5%	
Battery input	Number	20 (16~20)			32~40		
	Maximum charge current	4A			1A~12A	1A~12A,	1A~20A,
Physical parameters	Size (W*H*L)	592×250×826			815×300×1000		
	Weight (kg)	38	40	55	56	74	
Communication and monitoring functions		Standard: RS232, optional: Network monitoring card / dry contact / MODBUS monitoring card					