

3/1 Phase 10-20KVA
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, reducethe 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



Power walk-in function. Support parallel operation with common



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



Generator compatible



50Hz/60Hz frequency converter mode



Emergency power off function(EPO)



Product Specifications

Model WTHD-U31		3C10KS	3C15KS	3C20KS
Rated power (KVA/KW)		10KVA/8KW	15KVA/12KW	20KVA/16KW
Main Input	Phase	Three phase four wire + protective ground Or single-phase three-wire (zero/live wire + protected ground)		
	Input Voltage (Vac)	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		
	Power factor	≥0.99		
Bypass Input	Phase	Single-phase (1L+N+PE)		
	Input Voltage (Vac)	208/220/230/240		
	Voltage range (Vac)	110~300Vav@50%Load ; 176~276Vac@100%Load		
	Input Frequency (Hz)	46~54HZ/56~64HZ		
	output mode	Single-phase (1L+N+PE)		
Output	output Voltage	208/220/230/240±1		
	output frequency	50 (60) ±0.2HZ		
	(THDV%)	Sine wave THD <3% (linear load) Sine wave THD <5% (nonlinear load)		
	Power factor	0.8		
	transfer time	Mains <-> Battery mode 0ms		
Efficiency	overload capacity	105-125% for 1 S, >126% 100ms,		
	Mains mode	89%		
	Battery mode	88%		
Battery input	Number	20 (16~20 Adjustable)		
	Maximum charge current	2A (1~6A, Adjustable)		
Physical parameters	Size (W*H*L)	560×250×580		
	Weight (kg)	23	25	30.5
Communication and monitoring functions		Standard: RS232, optional: Network monitoring card / dry contact / MODBUS monitoring card		