

3/3 Phase 100-200KVA
WTHD High Frequency

Application area:

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

Product description:

The 100-200KVA 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



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 1.0



Generator compatible



50Hz/60Hz frequency converter mode



Product Specifications

Model WTHD-U33 Rated power (KVA/KW)		C100KS 100KVA/100KW	C120KS 120KVA/120KW	C160KS 160KVA/160KW	C200KS 200KVA/200KW
Main Input	Phase	Three phase four wire + protective ground Or single-phase three-wire (zero/live wire + protected ground)			
	Input Voltage (Vac)	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)	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)	380/400/415			
	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			
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	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	95.5%			
	ECO mode	98.5%			
	Battery mode	94.5%			
Battery input	Number	32~40			
	Maximum charge current	24A, Adjustable	36A, Adjustable	54A, Adjustable	54A, Adjustable
Physical parameters	Size (W*H*L)	1000×430×1200	1000×430×1200	1000×600×1200	1000×600×1200
	Weight (kg)	200	200	265	265
Communication and monitoring functions		Standard: RS232, optional: Network monitoring card / dry contact / MODBUS monitoring card			