



## Features:

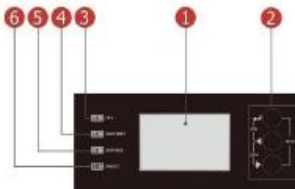
- Smart size, Higher power density
- Operating mode: Online, bypass, battery
- The maximum efficiency is 95.5% at online mode
- Max charge current is 12A, 1-12A adjustable (long run model)
- Battery voltage: 192Vdc (16 batteries 12V)
- Wide input voltage range (110-300VAC)
- Wide input frequency 44-66Hz
- Output 200Vac/220Vac/230Vac/240VAC can be set up
- Power factor: 0.9
- Output accuracy  $\pm 1\%$
- High overload capacity.

## 5KVA-10KVA TOWER TYPE

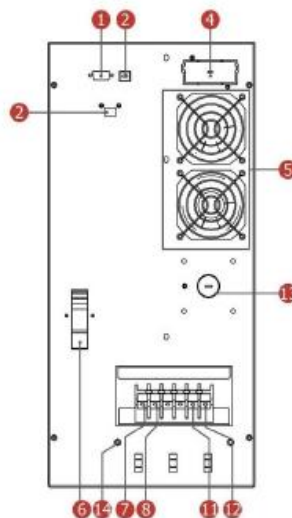
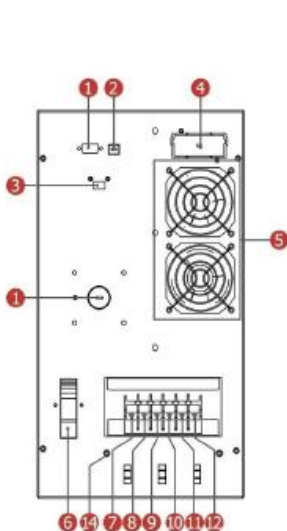
### Introduction

This Series is an uninterruptible power supply incorporating online double - conversion technology. It provides perfect protection specifically for computer equipment, Communication Systems to computerized instruments. The double - conversion principle eliminates all mains power disturbances. A rectifier converts the alternating current from the utility power to direct current. This direct current charges the batteries and powers the inverter. On the basis of this DC voltage, the inverter generates a sinusoidal AC voltage which is constantly powering the loads. Computers and Peripherals are thus powered entirely by the UPS. In the event of power failure, the maintenance - free batteries power the inverter.

### Rear View



- |                        |                       |
|------------------------|-----------------------|
| 1. LCD Display         | 4. LED2: Battery Info |
| 2. LED indicator       | 5. LED3: Bypass Info  |
| 3. LED1: Inverter Info | 6. LED4: Fault Info   |



- |                                     |
|-------------------------------------|
| 1. RS232 communication port         |
| 2. USB communication port           |
| 3. EPO port                         |
| 4. Intelligent Slot                 |
| 5. Fan                              |
| 6. Input Switch                     |
| 7. AC Input N                       |
| 8. AC Input L                       |
| 9. Battery +                        |
| 10. Battery -                       |
| 11. AC Output L                     |
| 12. AC Output N                     |
| 13. Maintain Switch Cover(Optional) |
| 14. Ground                          |

## Specifications

## 5KVA-10KVA TOWER TYPE

MODEL		HD-5KT9	HD-5KS	HD-6KT9	HD-6KS	HD-10KT9	HD-10KS
INPUT	Power rating	5KVA/4.5KW		6KVA/5.4KW		10KVA/9KW	
	Phase	Single phase three-wire(1Φ N+PE)					
	Nominal voltage	200/208/220/230/240VAC (selectable)					
	Voltage range	110~300VAC					
	Frequency range	50/60Hz (auto-sensing) / 50Hz: 44~56Hz ; 60Hz: 54~66Hz					
	Power factor	≥ 0.99					
	THDi	≤ 3%					
OUTPUT	Voltage	200/208/220/230/240VAC (auto-select)					
	Current	32.5A. max				54A. max	
	Voltage regulation	±1%					
	Frequency	50/60Hz (±0.1% at battery mode)					
	THDv	≤1% (Linear load) ; ≤4% (Non-linear load)					
BATTERY	Battery voltage	192VDC (default) – 16pcs 12V VRLA sealed lead acid maintenance free batteries					
	Backup time for KT9 model	13~15mins at 75% load		20~22mins at 50% load 12~13mins at 100% load		16~18mins at 50% load 9~10mins at 100% load	
	Recharging time	90% capacity recovered in 9 hours for KT9 models (Prioritize slow recharging to prolong the battery life)					
	Charging current	1A (1~12A settable for external battery)					
OTHERS	Overload	105% ~ 110%: 10 mins; >110% ~130%: ≥1 min; >130%~150%: 30s, >150%: 200ms					
	Protections	Short circuit, overload, low volt, temp, BAT low volt warning, phase inversion sequence, and BAT overcharge.					
	Transfer time	0ms					
	Efficiency	≥ 95.5% (online mode); 98% (ECO mode)					
	Communications	RS232 with UPS monitoring software-via RS232 connection/USB. SNMP / EPO (Optional)					
	Display control	LCD display: Operating mode, load, input - output, battery, frequency, voltage, fault.... LED display with flash & buzzer: Over load, low BAT, wrong shutdown,...					
OPERATING ENVIRONMENT	Temperature	0°C ~ 40°C					
	Humidity	20% ~ 95% (non-condensing)					
	Altitude	<1000m					
	Noise level	≤50 dB					
PHYSICAL	Dimension(W*D*H)	KT9: 250*500*615mm / KS: 250*500*462mm					
	N.W (kg)	60.5/16				64/16	

\* Product specifications are subject to change without further notice