

# ONLINE SINGLE PHASE UPS 6KVA



## Introduction

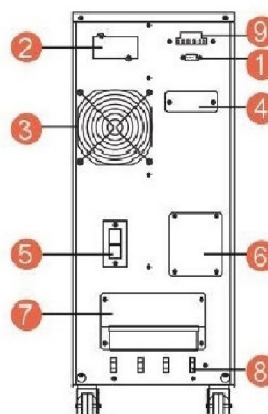
This online single phase UPS is an uninterruptible power supply incorporating conversation technology. It provides perfect protection specially for computer equipment, communication systems to computerized instruments.

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 power 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 the failure, the maintenance – free batteries will power the inverter.

## Rear panel

1. Computer interface
2. Intelligent Slot
3. Fan
4. Parallel Cover (Optinal)
5. Input Switch
6. Maintain Switch Cover (Optinal)
7. Terminal Cover
8. Cable fix frame
9. EPO (Optional)



### Specifications

MODEL	HD-6KT9
Capacity	6 kVA / 5.4kW
Technology	Online Double conversion, IGBT
Type	Tower
INPUT	
Rated voltage	220 / 230 / 240 Vac $\pm$ 15%
Voltage range	176 ~ 288 Vac
Rated frequency	50 / 60 Hz (auto-sensing)
Frequency range	45 ~ 65 Hz
Power factor	$\geq$ 0.99
Bypass voltage range	- 40% ~ +15% (settable)
THDi at full load	$\leq$ 3%
OUTPUT	
Voltage	220 / 230 / 240 Vac (1 $\Phi$ + N + PE)
Voltage regulation	$\pm$ 1%
Frequency	50 / 60 Hz $\pm$ 1% Hz
Waveform	Pure Sine Wave
Power factor	0.9
THDv at full load	$\leq$ 1% (linear load); $\leq$ 4% (non-linear load)
Crest factor	3:1
Outlet	Terminal Block
Overload	>100% ~ 110% : 10 mins, 110% ~ 125% : 1 min, >125% : 10s
BATTERIES	
DC voltage	192 Vdc
Number of battery	16 pcs Sealed lead Acid, maintenance free
Inbuilt battery	12 V / 7 Ah $\times$ 16
Charging time	90% capacity restored in 8h
Backup time at full load until end voltage of cell is 1.8V	6 ~ 8 mins
Backup time at 75% load until end voltage of cell is 1.8V	8 ~ 10 mins
SYSTEM	
Efficiency VFI mode at 90% load	$\geq$ 94%
Transfer time	0 ms
Protections	Short-circuit, overload, overtemperature, battery low voltage, overvoltage, undervoltage and fan failure
Max. number of parallel connections	4UPS
Communications protocol between UPS and Monitoring system	USB/RS232 (standard), SNMP Slot / dry contacts / SNMP card (optional)
LCD	Load/battery /Operation mode / fault
LED	Alarming by sounds and blinking light
Standard	IEC/EN62040-1, IEC/EN62040-2, IEC/EN62040-3
OTHERS	
Operating temperature	0°C ~ 40°C
Storage temperature	-25°C ~ 55°C (without battery)
Relative humidity	0 ~ 95% (non-condensing)
Altitude	$\leq$ 1000 m, derating 1% for each additional 100 m
IP rating	IP 20
Noise level at 75% load	$\leq$ 55 dBA
UPS Dimensions (W x D x H) (mm)	248 x 500 x 616
UPS weight (kg)	62

● All specifications are subject to change without notice.