

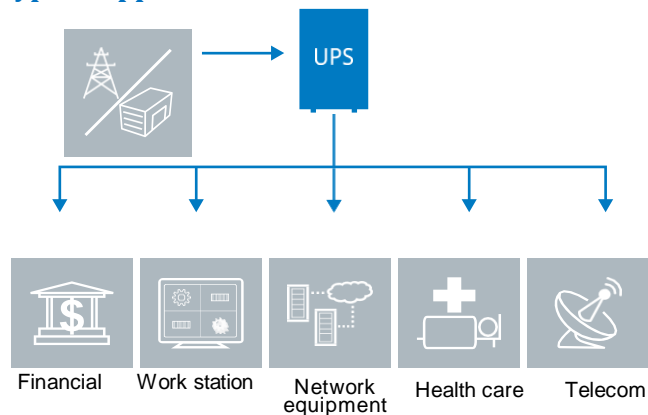
1 phase online Tower case 1KVA~3KVA



Key features

- True online double-conversion design with high adaptability to harsh mains conditions
- 1K/2K/3K various offer.
- Various battery configuration: 1K 24V/36V, 2K 48VDC/72VDC, 3K 72VDC.
- 0.9 output power factor with up to 12.5% more power offer than traditional 0.8pf.
- Optional EBM for flexible backup time configuration.
- Compact size requiring small installation space
- Programmable LCD display for quick UPS parameters configuration.
- Various communication for easy management: RS232/USB, EPO, mini slot.

Typical application



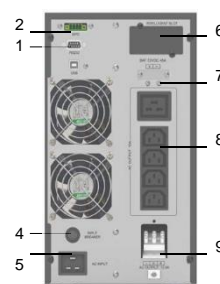
Rear panel



Tower 1KVA



Tower 2KVA



Tower 3KVA

1. RS232
2. EPO/ROO
3. USB

4. Input circuit breaker
5. AC input
6. Intelligent card slot

7. External battery connector
8. Output terminal
9. Output terminal block

Specifications

MODEL	Product Line	Online 1 phase tower UPS 1KVA~3KVA					
		HD-1KTH/1KTS		HD-2KTH/2KTS		HD-3KTH/3KTS	
CAPACITY	VA/W	1000VA/900W		2000VA/1800W		3000VA/2700W	
INPUT	Rated Voltage	208V/220/230/240VAC(selectable)					
	Input Voltage Range	100 ~ 300 VAC					
	Frequency Range	50/60Hz; 45-55 Hz/54-66 Hz					
	Input Wiring	Single Phase with Ground					
OUTPUT	Output Power Factor	0.9					
	Nominal Output Voltage	208V/220/230/240VAC, 230V default					
	Voltage Regulation	±1%					
	Frequency Range	50/60Hz ±0.05Hz(Battery Mode)					
	Over Load	100 ~105% continuous. 60Sec.@105 ~130% Rated Load					
	Voltage Distortion (THDv)	<2% @ linear load					
	Output Waveform	Pure Sine Wave					
	Socket	2Universal		3IEC C13 +1Universal+Terminal		3IEC C13+1IEC C19 +1Universal+Terminal Block	
	Protections	Short-circuit, overload, over temp, BAT low, overvoltage, undervoltage and fan fault..					
EFFICIENCY	Inverter Mode	89%		90%		91%	
BATTERY	Battery Type	VRLA 12V9AH, Sealed Lead-acid, maintenance free battery. Battery life ≥5 years					
	Number of Internal Battery	2	N/A	4	N/A	6	N/A
	Rated Battery Voltage	24VDC	36VDC	48VDC	72VDC		96VDC
	Backup time at full load	5~6mins					
	Charging Current	1A					
	Recharging time (90%)	5 hours					
TRANSFER TIME	Battery Mode <-> Inverter Mode	0ms					
	Inverter Mode <-> Bypass Mode	<4ms					
DISPLAY CONTROL	LCD	(DSP)Digital signal processors control with display: Load/Battery/Input/Output/Bypass/Operations mode/Fault					
	LED	Audible alarm & flash					
DIMENSION	W x H x D (mm)	144×224×325		190×323×368			
ENVIRONMENT	Operating Temperature	0-40 °C					
	Humidity	0% ~ 95%RH (non-condensing)					
	Noise Level	<50dB (1m)					
INTERFACE	Communication	UPS monitoring via RS232 connection. Auto shutdown or control PC/server before UPS stops working					
		USB/EPO(Emergency Power Off)/SNMP slot(Network Management Protocol)					
		Optional: SNMP card/NMC Card/CMC Modbus Card/AS400 Card					
	Protection level	IP20					