

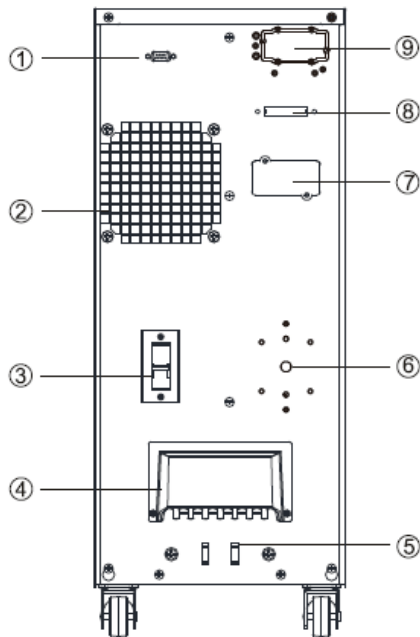
Online single phase UPS 10KVA (PF1.0)



KEY FEATURES

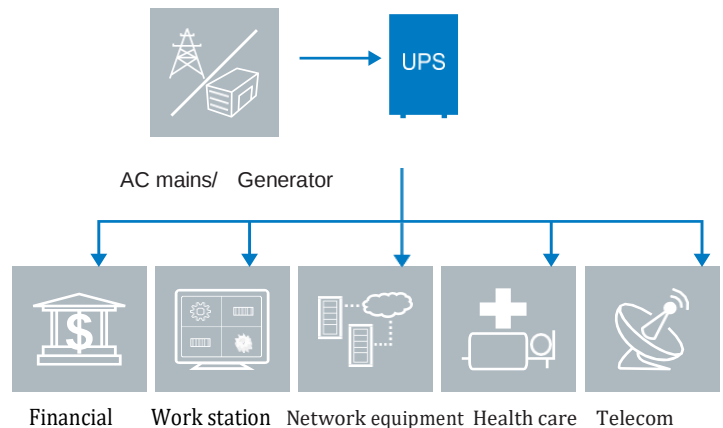
- True online double-conversion design with high adaptability to harsh mains conditions
- 1.0 output Power factor. Pure sinewave.
- High efficiency result in energy saving and supports energy-saving ECO mode
- Intelligent communication slot enables remote monitoring
- Wide input voltage and frequency range, support CVCf
- Parallel available with Parallel card (maximum 3, optional)
- Compliance CE with standard EN62040

REAR PANEL



1. RS232
2. Fan
3. AC Input Breaker
4. Terminal Cover
5. Beam Frame
6. Maintenance Bypass Switch (Optional)
7. Intelligent Slot(Optional)
8. EPO (Optional)
9. Parallel Card(Optional)

Typical applications



Product specifications

Model name		HD-10KTH
Power rating	kVA/kW	10kVA/10kW
Working Efficiency	Double conversion AC mode	≥95%
	ECO mode	≥98%
Input	Rated voltage	1 phase 208/220/230/240VAC (selectable) (derating to 90% load @208V)
	Voltage range	176-288Vac
	Rated frequency	50/60Hz (Auto-sensing)
	Frequency range	40-70Hz (46-54Hz/56-64Hz)
	PF	≥0.99
	THDi	<3% linear load
	Wiring/socket	Hardware terminal connection
	Generator connection	Yes
Output performance	Rated voltage	1 phase 208/220/230/240VAC +/-1%
	Rated frequency	50/60Hz (auto-sensing)
	THDv	<2%@linear load, <4%@non-linear load
	Transfer time	(Line <-> Battery) 0ms
	Crest Ratio	3:1 Max
	Overload (line mode)	105%<load≤125% for 1 minute; 125%<load≤150% for 30s; load>150% for 0.5s;
	Wiring/socket	Hardware terminal connection
	Protections	Protect against inverter failure, Short-circuit, overload, overvoltage, undervoltage, overtemperature, battery discharger, fan failure...
Batteries	Voltage	192VDC
	Battery type	VRLA (Sealed lead-acid maintenance free battery)
	Inbuilt battery type	12V7AH/9AH
		Backup time: 3mins (full load), 7mins (half load)
	External battery	Depend on the capacity of external batteries for long backup time Ability to increase backup time upto 12V80AH
	Charging current	1.2A (Max 4A)
	Battery level display	0-15%; 16-35%; 36-55%; 56-75%; 76-95%; ≥96%
	Recharging time	90% capacity restored in 4h
Physical performance	Dimension(W*D*H)mm	500*248*616 (inbuild battery)/ 500*212*420
	Net weight(kgs)	58.9 (Inbuild battery)/ 15.9
Human-Interface	Display	LED+LCD
	RS232	RS232 with UPS managements program via RS232 computer connection protocol
	EPO	Emergency Power Off (optional)
	Intelligent slot	Yes, SNMP slot

	Monitor software	WinPower
	Communication(optional)	RS485-Modbus protocol(CMC card)/ SNMP-NMC(Network management card)/ Dry contact
Operating modes	Normal working mode	Online, on battery, on bypass, high efficiency, MBS(optional)
	Other working mode	CVCF
	Parallel	3 Max (Optional card)
Environment	Operating temperature	0-40°C
	Relative Humidity	20-90%(non-condensing)
	Operating Altitude	0-3000m (derating 1% every 100m up @1000-3000m)
	Acoustic Noise	<50dB(1m)
Certification	Certification/standard	CE
	Protection level	IP20