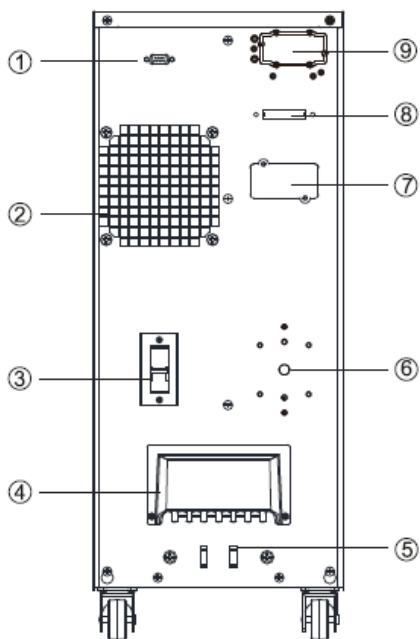**HYUNDAI**

Online single phase UPS
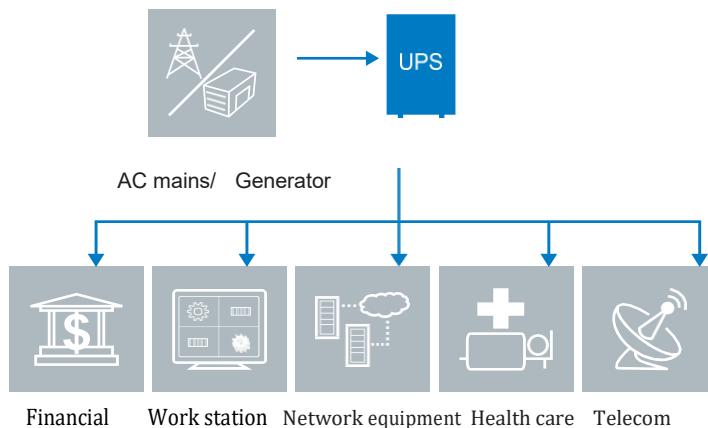# 6KVA ~ 10KVA (PF1.0)

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

AC mains/ Generator

Financial   Work station   Network equipment   Health care   Telecom

HYUNDAI

Product specifications

Model name		HD-6KTH	HD-6KTHS	HD-10KTH	HD-10KTHS
Power rating	kVA/kW	**6kVA/6kW**	**6kVA/6kW**	**10kVA/10kW**	**10kVA/10kW**
Working Efficiency	Double coversion 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			
	Gennerator 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 batteries	16pcs*12V7Ah	N/A	16pcs*12V9Ah	N/A
	Backup time	5-6mins (full load) for internal batteries External battery : Depend on the capacity of external batteries. Ability to increase the battery capacity 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 (for KTH model)			
Physical performance	Dimension(W*D*H)mm	248*500*616	212**500*420	248*500*616	212**500*420
	Net weight(kgs)	59	15	63	16
Human-Interface	Display	LED+LCD			
	RS232	RS232 with UPS management program via RS232 computer connection protocol			
	EPO	Emergency Power Off (optional)			
	Intelligent slot	Yes, SNMP slot			

HYUNDAI UPS - LICENSED BY HYUNDAI CORPORATION, KOREA

	Monitor software	WinPower
	Communications(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