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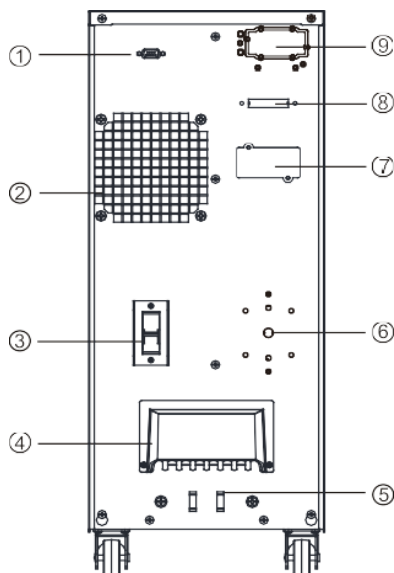# 6-10KVA (PF1.0)

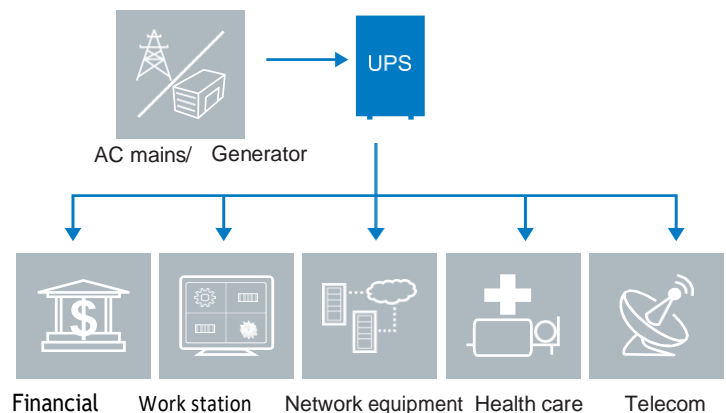**CHALLENGE TO THE FUTURE OF HYUNDAI**

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)
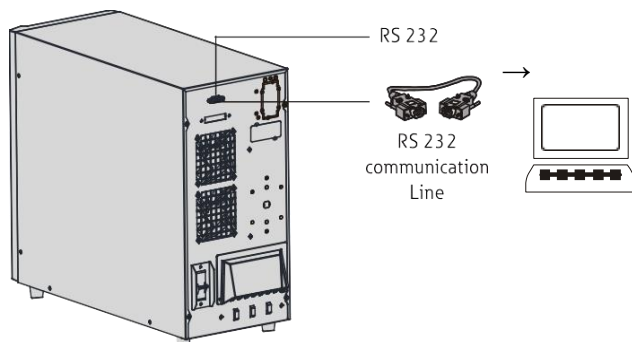9. Parallel Card(Optional)

Typical application

AC mains/ Generator → UPS

Financial | Work station | Network equipment | Health care | Telecom

2024@version

Product specification

Online single phase UPS 6-10KVA

Model name		HD-6KTH	HD-10KTH
Power rating	kVA/kW	6kVA/6kW	10kVA/10kW
Peak capacity		6.6kVA	11kVA
Working Efficiency	Double coversion mode	95%	
	ECO mode	98%	
Input	Rated voltage	1 phase 2W+G; 220/230/240VAC(selectable)	
	Voltage range	110-275Vac; 185-275Vac @ 110% load; 110-185Vac derating to 50% load linear	
	Rated frequency	50/60Hz (Auto-sensing)	
	Frequency range	40-70Hz (46-54Hz/56-64Hz)	
	PF	>0.99	
	THDi	<3% linear load	
	Max Current	32.1A	52.6A
	Gennerator connection	Yes	
Input connection	Wiring/socket	Hardware terminal connection	
Output performance	Rated voltage	1 phase 208/220/230/240VAC +/-1%	
	Rated frequency	50/60Hz(auto-sensing)±0.1%	
	THDv	<2%@linear load, <4%@non-linear load	
	Transfer time	0ms	
	Crest Ratio	3:1 Max	
	Overload(line mode)	105%<load<=125% for 1 minutes; 125<load<=150% for 30s; load>150% for 0.5s;	
	Protections	Protect against inverter failure, Short-circuit, overload, overvoltage, undervoltage, overtemperature, battery discharger, fan failure…	
	Short-circuit declaration	RMS & delay time 47A; Peak 66A	RMS & delay time 82AA; Peak 116A
Output connection	Wiring/socket	Hardware terminal connection	
Batteries	Voltage	192VDC	
	Battery type	VRLA(Sealed lead-acid maintenance free battery)	
	Inbuilt battery type	12V9AH	12V9AH
	Backup time	17~20 mins at 50% load/8~10 mins at 100% load	12~13 mins at 50% load/5~7 mins at 100% load
	Charging current	4A(1.2-4A adjustable)	
	Battery level display	0-15%; 16-35%; 36-55%; 56-75%; 76-95%; ≥96%	
	Recharging time	90% capacity restored in 4h	
	External battery module	4EBM(Maximum connect external battery module quantity)	
Physical performance	Dimension(W*D*H)mm	248*500*616	
	Net weight(kgs)	62	63

ONLINE 1 PHASE UPS ▷▷

Model name		HD-6KTH	HD-10KTH
HMI(human-machine interface)	LCD Display control	Controlled by (DSP) Digital signal processors control with measurements and settings: Load/ Battery/ Input- Output voltage/ Bypass/ Operations mode/ input-output Frequency/Events/ Fault... Parallel system BAT status(optional)	
	LED display	LCD display Load information: 0-15%; 16-35%; 36-55%; 56-75%; 76-95%; ≥96% LED indicator status(with flash and alarm: BAT mode/ Online mode/ Bypass mode/ Fault. When UPS wrong shutdown, low battery, low voltage, overload, fan fault.... Parallel cable loss(optional)	
	RS232	RS232 with UPS managements program via RS232 computer connection protocol, Auto shutdown or control PC/server before UPS stops working	
	EPO	Yes, Emergency Power Off	
	Intelligent slot	Yes, SNMP slot	
	Monitor software	WinPower	
	Communication(optional)	RS485-Modbus protocol(CMC card)/ SNMP-NMC(Network management card)	
	Support	Compatible with Windows 98/2000/2003/XP/Vista/2008/7/8/10, Linux……	
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	0-90%(non-condensing)	
	Operating Altitude	0-3000m (derating 1% every 100m up @1000-3000m)	
	Acoustic Noise	<50dB(1m)	
Certification	Protection level	IP20	
Accessory	RS232 cable	Yes	
	Manual	Yes	

UPS Connect To Computer Port

RS 232

RS 232 communication Line

EBM Connecting