HYUNDAI

Online single phase UPS
5-10KVA (PF0.9)



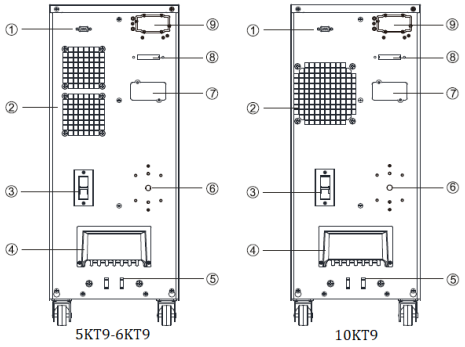
KEY FEATURES

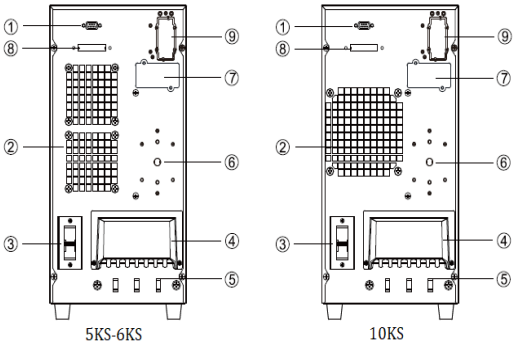
- True online double-conversion design with high adaptability to harsh mains conditions
- 0.9 output Power factor. Pure sinewave.
- High efficiency result in energy saving and supports energy-saving ECO mode
- Intelligent communication slot enables remote monitoring
- Wide input voltage and frequency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



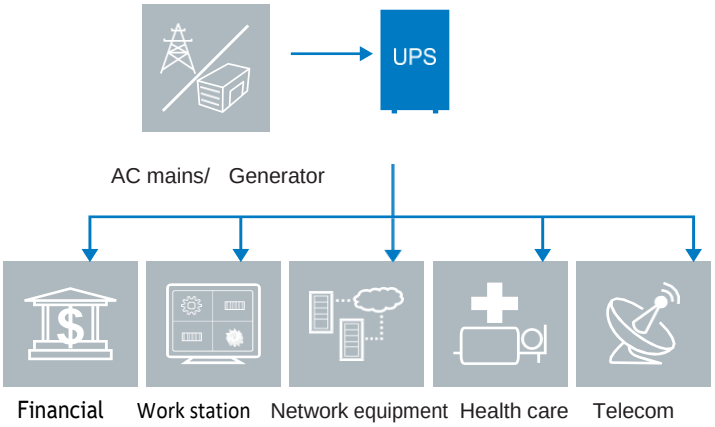
REAR PANEL

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



2024@version

ONLINE 1 PHASE UPS

HYUNDAI

Product specifications

Online single phase UPS 5-10KVA

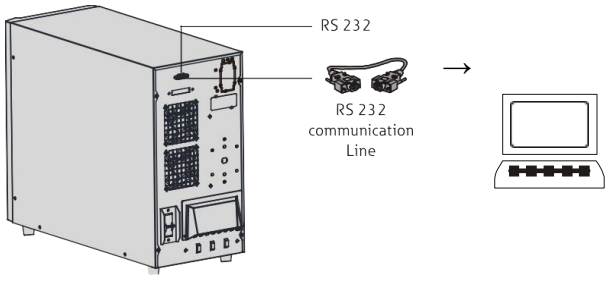
Model name		HD-5KT9/5KS	HD-6KT9/6KS	HD-10KT9/10KS
Power rating	**kVA/kW**	**5kVA/4.5kW**	**6kVA/5.4kW**	**10kVA/9kW**
Working Efficiency	Double coversion mode	95%		
	ECO mode	98%		
Input	Rated voltage	1 phase 208/220/230/240VAC (selectable) (derating to 90% load @208V)		
	Voltage range	120-275Vac; 185-275Vac @ 120% load; 120-185Vac 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/36.1A		52.6A/56.6A
	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…		
	Short-circuit declaration	RMS & delay time 47A; Peak 66A		RMS & delay time 82AA; Peak 116A
Batteries	Voltage	192VDC		
	Battery type	VRLA (Sealed lead-acid maintenance free battery)		
	Inbuilt battery type	12V7AH	12V7AH	12V9AH
	Backup time (50% load - KT9)	≥14 mins	≥13 mins	≥10mins
	Charging current	1.2A (KT9); 4A (KS)		
	Battery level display	0-15%; 16-35%; 36-55%; 56-75%; 76-95%; ≥96%		
	Recharging time	90% capacity restored in 4h		
	External battery module	For long run model: 4EBM max		
Physical performance	Dimension(W*D*H)mm	500*248*616(KT9) / 500*212*420(KS)		
	Net weight(kgs)	58.9 (KT9)/14.2 (KS)		62.1 (KT9)/15.9 (KS)

ONLINE 1 PHASE UPS

HYUNDAI

Model name		HD-5KT9/5KS	HD-6KT9/6KS	HD-10KT9/10KS
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...		
		LCD display Load information: 0-15%; 16-35%; 36-55%; 56-75%; 76-95%; ≥96%		
	LED display	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....		
	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	Certification/standard	CE		
	Protection level	IP20		
Accessory	RS232 cable	Yes		
	Manual	Yes		

UPS Connect To Computer Port



EBM Connecting

