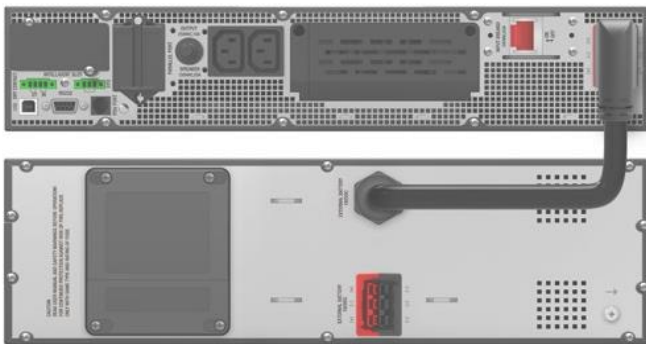


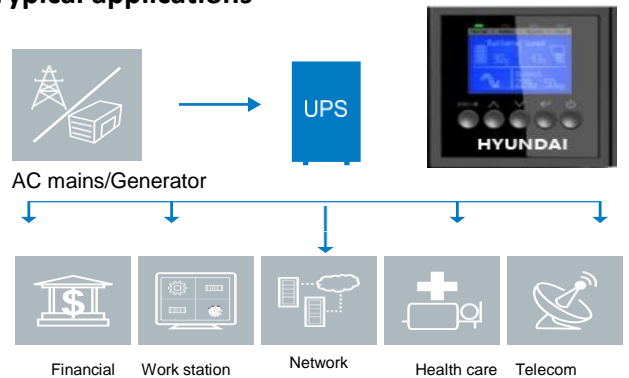


Key features

- True online double-conversion design with high adaptability to harsh mains conditions, VFI technology.
- DSP design enables precise and reliable control
- High efficiency results in energy saving
- Supports energy-saving ECO mode
- Compact size requiring small installation space
- USB HID enable monitoring on UPS without software installation
- Intelligent communication slot enables remote monitoring
- Programmable LCD display for quick UPS parameters configuration
- Low audible noise at typical load



Typical applications



Product specification

Model name		HD-6KRT	HD-10KRT
General	Technology	True online double conversion- VFI technology	
	Design	Rack-mount 19" or Tower	
	Capacity	6kVA/6kW	10kVA/10kW
	Generator connect	Generator compatible	
	Auto restart	Automatically restarts when mains power is restored	
Efficiency	Online mode	≥94%	
	ECO mode	≥98%	
Input performance	Rated voltage at 100% load	Single phase 208/220/230/240V (Selectable)	
	Voltage range	110-276V at 100% load; 110-160V (derating to 50% load linearly)	
	Rated frequency	50Hz/60Hz	
	Frequency range	40-70Hz	
	PF	>0.99	
	THDi	<3% at full load	
Input connection		Hardware terminal connection	
Output performance	Phase	1 phase	
	Rated voltage	220/230/240V (Selectable)	
	Voltage regulation	±1%	
	Rated frequency	50Hz/60Hz (auto-sensing or Selectable)	
	Frequency range	Synchronized with utility in main mode; ±0.1% in battery mode	
	Capacity	6KW	10KW
	Maximum PF	1	
	Voltage distortion(THDv)	<2% linear load <5% non linear load	
	Wave form	Pure sine wave	
	Transfer time	0ms (AC to Battery mode); <4ms (Inverter to Bypass mode)	
	Crest Ratio	max 3:1	
	Overload (online mode)	100%<load≤105% continuous;105%< load ≤125% for ≥10 minutes; 125%<load≤150% for 30 seconds;>150% for ≥500ms.	
	Overload (Bypass mode)	≤130% continuous; 130%< load ≤150% for 10s;>150% for ≥500ms.	
	Output connection		L/N/PE hardware terminal connection
Batteries	Wiring/socket	L/N/PE hardware terminal connection	
	Voltage	192VDC (192-240VDC adjustable)	
	Type	VRLA Hyundai Battery 12V (Sealed lead-acid maintenance free battery with battery life ≥3 year)	
	Capacity(AH)	16pcs*12V/9Ah	
	Backup time	At load 4000W ≥8mins	At load 8000W: ≥5mins
Battery management	Smart management function helps the UPS switch to continuous charging mode, Smart charging time, Automatic battery test, Low battery warning, Deep Discharge		
Maximum connect external battery module quantity		6	
Charger	Max charging current	1.4A (0-4A adjustable)	2A (0-4A adjustable)
	Recharging time	3h to 90%	
	Parallel	Optional (up to 3)	
	Operating modes	Online, ECO, battery, bypass, manual bypass, frequency converter	
	Protections	Short-circuit, overload, overvoltage, undervoltage, low battery, fan fault... Auto transfer to bypass when UPS overload and fault.	

Operating	Display control	LCD display with Manage and monitor operating status: UPS operations, load, overload, over temperature, backup time, voltage, frequency, Battery capacity, low battery, charger fault, battery not connected (UPS fault), ..	
		LED with alarms and sounds when wrong shutdown, low battery, overload, over temperature, charger fault, battery not connected (UPS fault),...	
	Communications	RS232 with UPS management program via RS232 computer connection protocol. Auto shutdown or control PC/server before UPS stops working	
HMI	USB	USB 2.0 with HID	
	RS232	Yes (DB9)	
	Dry in/out	1 programble dry in; 1 programble dry out	
	EPO	yes	
	Intelnert slot	Yes (for long card)	
	Network card	SNMP/NMC long card	
	Modbus card	Optional,CMC/Modbus Long Card	
	Dry contactor card	Optional, AS400 Long Card	
	Winpower software	Monitor/ Management software	
Physical performance	Dimension(W*D*H) mm	5U height including 438*573*86.2 (UPS-power module, 2U)/ 438*593*129 (EBM, 3U)	
	Net weight (kg)	14kg (UPS)/52kg (EBM)	16kg (UPS)/52kg (EBM)
	IP protection level	IP20	
Environment	Operating temperature	0°C -40°C	
	Relative Humidity	0%-95%(non-condensing)	
	Operating Altitude	0-3000m (the load derating 1% every up 100m @1000-3000m)	
	Acoustic Noise	<55dBA	
Certification		IEC/EN 62040-1; ISO 9001	
Accessories	EBM cable	Yes (in EBM)	
	USB cable	Yes	
	RS232 cable	Yes	
	Rail kit	Optional	Optional
	Tower Feet	Yes	Yes
	Rack ear	Yes	Yes
	Manual	Yes	Yes

