

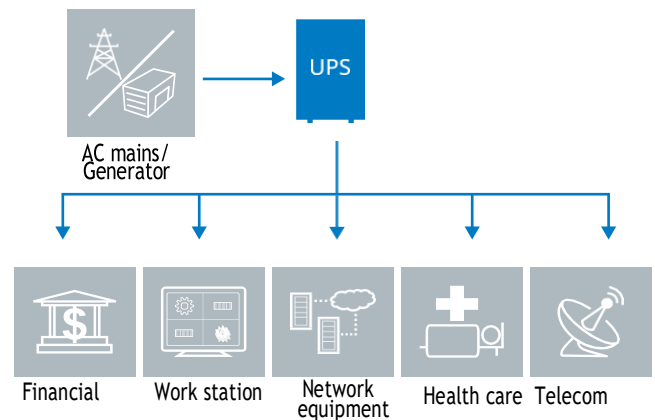
Rack/Tower case 1KVA~3KVA



Key features

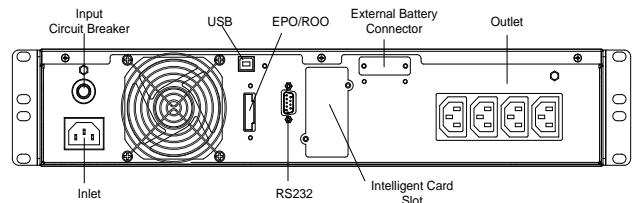
- True online high frequency double-conversion design with high adaptability to harsh mains conditions.
- Input socket IEC C14(10A)
- Internal automatic bypass provides a backup power supply in case overload or other unexpected abnormal situation occurs to the UPS.
- 0.9 output power factor with up to 12.5% more power offer than traditional 0.8pf.
- Optional 2U EBM for flexible backup time configuration.
- Rackmount 2U short depth compact size for space saving
- Programmable LCD display for quick UPS parameters configuration.
- Various communication for easy standard management: RS232, USB, EPO, intelligent slot.

Typical application

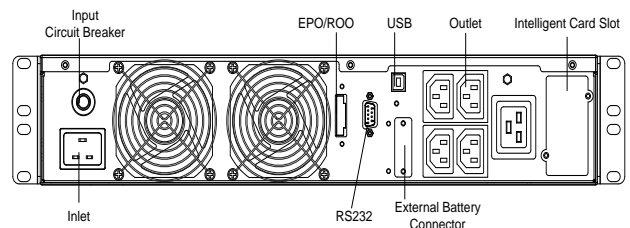


Rear panel

1KVA-2KVA model



3KVA model



MODEL	Product Line	Online 1 phase Rack/tower UPS 1KVA~3KVA					
		HD-1KRH/1KRS		HD-2KRH/2KRS		HD-3KRH/3KRS	
CAPACITY	VA/W	1000VA/900W		2000VA/1800W		3000VA/2700W	
INPUT	Rated Voltage	208V/220/230/240VAC(selectable)					
	Input Voltage Range	100 ~ 300 VAC; 100~ 176Vac(linear derating between 50% and 100% load); 176 ~ 280 Vac (no derating); 280 ~ 300Vac (derating 50% load)					
	Frequency	50/60Hz					
	Frequency Range	40-70Hz; 50Hz(45-55 Hz)/60Hz(54-66 Hz)					
	Input Wiring	Single Phase with Ground(L/N+PE)					
	Bypass voltage	187~265V(120-275 max)					
OUTPUT	Output Power Factor	0.9					
	Nominal Output Voltage	Single Phase with Ground(L/N+PE); 230V default(adjustable to 208/220/240V)					
	Voltage Regulation	±1%					
	Frequency Range	50/60Hz ±0.05Hz(Battery Mode)					
	Over Load	100 ~110% continuous. 60Sec @≥110 ~130% Rated Load					
	Voltage Distortion (THDv)	<2% @ linear load					
	Output Waveform	Pure Sine Wave					
	Socket	IEC C13*4(10A) or Universal*2				IEC C13*4(10A) + IEC C19*1 or Universal *2+Terminal	
	Protections	Short-circuit, overload, over temp, BAT low, overvoltage, undervoltage and fan fault..					
EFFICIENCY	Inverter Mode	89%		90%		91%	
	ECO Mode	≥96%					
BATTERY	Battery Type	Hyundai VRLA 12V9AH, Sealed Lead-acid, maintenance free battery. Battery life ≥5 years					
	Number of Internal Battery	2	N/A	4	N/A	6	N/A
	Rated Battery Voltage	24VDC	36VDC	48VDC	72VDC		
	Backup time at full load	≥5mins					
	Charging Current	1A					
	Recharging time (90%)	5 hours					
TRANSFER TIME	Battery Mode <-> Inverter Mode	0ms					
DISPLAY CONTROL	LCD	LED and Programable LCD, (DSP)Digital signal processors control with LCD display: Load/Battery/Input/Output/Bypass/ Voltage/Operations mode/Fault...					
	LED	Audible alarm & flash					
DIMENSION	W x H x D (mm)	439*88*388(2U)				438*88*640(2U)	438*88*388(2U)
ENVIRONMENT	Operating Temperature	0-40 °C					
	Humidity	0% ~ 95%RH (non-condensing)					
	Noise Level	<50dB (1m)					
INTERFACE	Communication	Winpower software license. UPS monitoring via RS232 connection. The software provides safely auto shutdown for multi-computer systems while power failure. Users can monitor and control any UPS on the same LAN. Support to VMware, Hyper-V, Citrix Xen, Windows, Linux...					
		USB, EPO(Emergency Power Off), intelligent slot(Network Management Protocol)					
		Optional: SNMP card/NMC Card/CMC Modbus Card/AS400 Card/ EMP card					
		Protection level	IP20				
ACCESSORY	Rack ear	Yes					
	RS232 cable	Yes					