

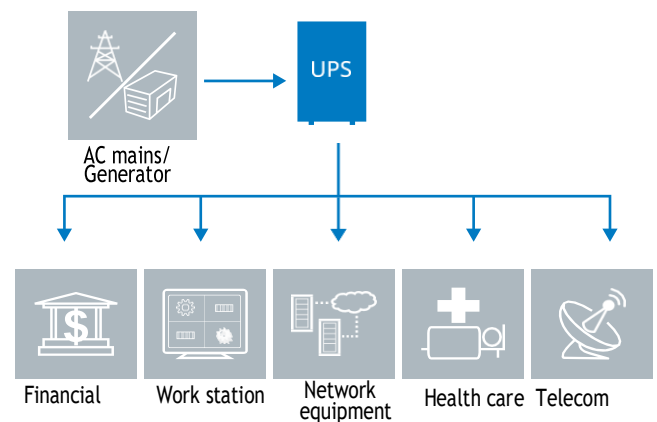
Rack/Tower case 1KVA~3KVA



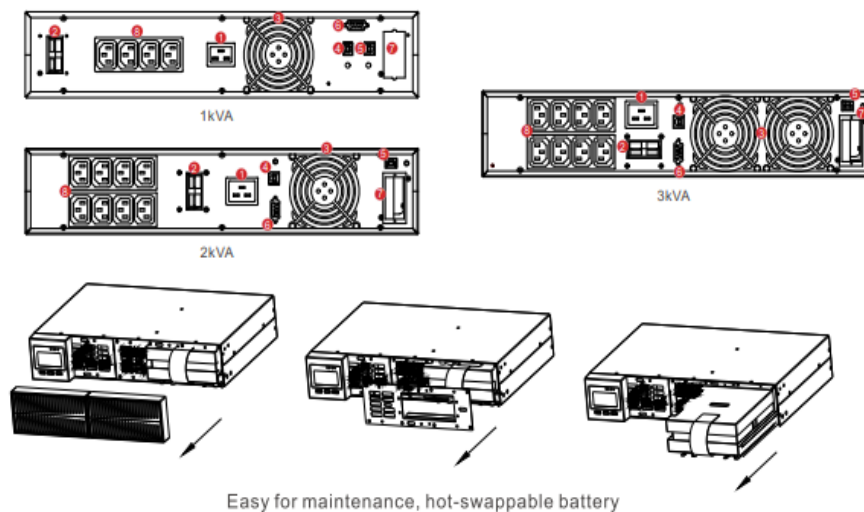
Key features

- True online very high frequency (VHF) 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
- 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



Product specifications

Rack/tower case 1KVA~3KVA

MODEL	Product Line	Online 1 phase Rack/tower UPS 1KVA-3KVA					
		HD-1KRH/1KRS		HD-2KRH/2KRS		HD-3KRH/3KRS	
GENERAL SPECIFICATION	Capacity(VA/W)	1000VA/900W		2000VA/1800W		3000VA/2700W	
	Design	Rackmount/Rack-tower					
	Technology	True online high frequency double-conversion					
INPUT	Rated Voltage	208V/220/230/240VAC(selectable)					
	Input Wiring	Single Phase with Ground(L/N+PE)					
	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 (Auto -sense)					
	Frequency Range	40-70Hz; 50Hz(45-55 Hz)/60Hz(54-66 Hz)					
	PFc	≥0.99					
	THDi	≤6%					
	Bypass voltage	-25% ~+15% (Settable)					
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 ~105% continuous; 105 ~125% transfer to bypass in 1 min					
	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 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	≥95%					
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					
INTERFACE	Communication	UPS monitoring via RS232 connection with Winpower software license. 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) use for NMC/SNMP, CMC Modbus and AS400 card
		Optional: SNMP card/NMC Card/CMC Modbus Card/AS400 Card/ EMP card
	Protection level	IP20
ACCESSORIES	Rack ear	Yes
	RS232 cable	Yes