

HYUNDAI UPS

1kVA – 3kVA

PF 0.9

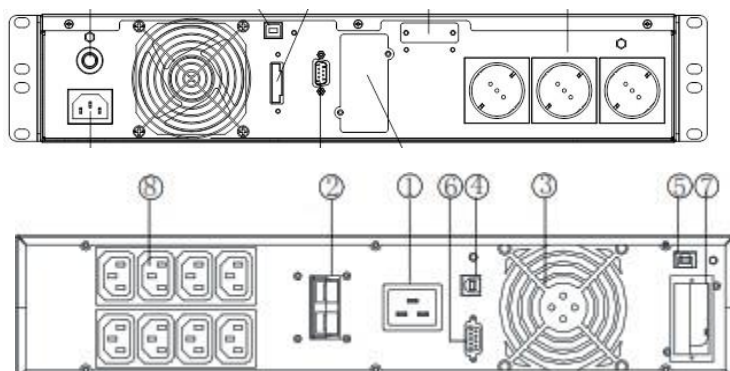


Features

- High frequency true on-line double conversion technology with high adaptability to hash mains conditions. UPS used in industrial and information technology fields
- DSP (Digital signal processing) control technology
- Active power factor correction (APFC), input power factor > 0.99
- Output power factor 0.9
- Wide input voltage range (110V-300 Vac) and frequency range (40-70 Hz)
- Auto sensing frequency
- 50/60 Hz frequency conversion
- Cold start
- 2U short depth compack size for space saving
- Rear ventilation design and variable speed fan
- Effective software and hardware protection
- Quick and stable charging
- Linear derating in low voltage input reducing battery discharging times
- Settable delayed start when power is restored
- Advanced battery management (ABM)
- Multiple functions settable via LCD: output voltage, EOD, auto-start, bypass mode, ECO mode and frequency conversion mode
- Multi-platform communications: RS232 (standard), USB/RS485/SNMP/dry contacts (optional)
- Optional USB, SNMP card, EPO

Rear panel

1. AC input socket
2. Battery connector (Optional)
3. Fan
4. USB (Optional)
5. EPO (Optional)
6. RS232
7. Intelligent slot
8. Output socket (selectable)



MODEL	HD-1KRH	HD-1KRS	HD-2KRH	HD-2KRS	HD-3KRH	HD-3KRS
Capacity (KVA/W)	1KVA/900W		2KVA/1800W		3KVA/2700W	
Type	Rackmount					
Technology	High frequency true on-line double conversion technology					
INPUT						
Rated voltage	208/220/230/240 VAC					
Voltage range	110-300VAC					
Frequency range	40-70 Hz (50/60Hz auto-sensing); 50Hz: 45-55Hz, 60Hz: 54-66Hz					
Power factor	>0.99					
Input wiring	Single phase with Ground					
THDi	≤ 3%					
OUTPUT						
Voltage	208/220/230/240 VAC					
Voltage regulation	± 1%					
Frequency	50/60Hz ±0.05Hz					
Waveform	Pure sine wave					
Power factor	0.9					
Transfer time	0ms (Inverter <-> Battery)					
THDv	<2% (linear load)					
Crest factor	3:1					
Overload	100%-105%: keep working; 105%~130% for 1 min					
BATTERIES						
DC voltage	24V	36V	48V	72V	72V	96V
Inbuilt battery	2*9Ah	/	4*9Ah	/	6*9Ah	/
Backup time @Full load - KRH	6-7mins					
Backup time - KRS	The backup time for KRS series depends on the capacity of external batteries. Ability to increase the battery capacity upto 12V80AH					
Charging current	1A	4A	1A	4A	1A	4A
Recharge time	KRH: 90% capacity restored in 5h; KRS: depend on the battery capacity					
SYSTEM						
Efficiency	89%		90%		≥ 91%	
Protections	Short-circuit, overload, over/undervoltage, overtemperature, fan fault...					
Communications	RS232 (Standard) - UPS monitoring via RS232 connection protocol. USB/(NMC)SNMP card (optional)					
Display	LED and Programable LCD, (DSP) Digital signal processors control. LCD display: Load/Battery/Input/Output/Bypass/Voltage/Operation mode/Fault... LED: Audible alarm & flash					
OTHERS						
Operation temperature	0 – 40°C					
Storage temperature	-25 – 55°C (without batteries)					
Relative humidity	0 – 95% (non-condensing)					
Altitude	≤ 1000m, derating 1% for each additional 100m					
IP rating	IP 20					
Noise level at 1m	≤ 50dB					
Dimensions (W*D*H),mm	439*388*88	439*388*88	439*388*88	439*388*88	439*640*88	439*388*88
Net weight (kg)	13.5	8.5	19.6	11.5	22	12

• All specifications are subject to change without notice