

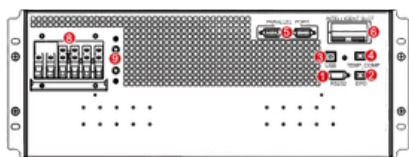
6-10KVA RACK (1:1)



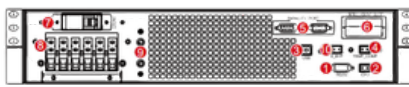
Features

- High frequency on-line double conversion technology
- Advanced DSP and 3-level technology
- Output power factor 1.0
- Active power factor correction (APFC), input power factor up to 0.99
- High efficiency 95% (up to 98% in ECO mode)
- Advanced digital parallel technology
- Wide input voltage range (88-288 Vac) and frequency range (40~70 Hz)
- 50/60 Hz frequency auto sensing
- Two modes of frequency conversion: 50 Hz input/ 60Hz output or 60 Hz input/ 50 Hz output
- Hot- swappable battery
- Flexible battery configuration (settable 10-20 pcs batteries)
- Digitally controlled charger
- Standard 5A charger, Optional 12A Charger (for H model)
- Charging voltage and current configured by demands
- Linear derating in low voltage input reducing battery discharging times, extending the service life of battery
- Intelligent battery management, automatic floating/ equalizing charge control, charger dormancy control, increasing battery life by 50%
- Ability to switch on the UPS with batteries
- Settable delayed start time when mains power is restored, reducing the impact on power grid or generator
- Fan speed varies intelligently with temperature, reducing noise and extending its service life
- Equipped with self-aging function
- Compact internal layout, miniaturized the complete unit for small footprint
- LCD+LED display, multi-functional keys operation, friendly human-machine interface
- Powerful background software for parameters configuration
- Advanced multi-platform communications: RS232, USB, RS485, SNMP and dry contacts communication interfaces
- Effective software and hardware protection function, robust self-diagnostic function, and abundant event log for check

Rear Panel



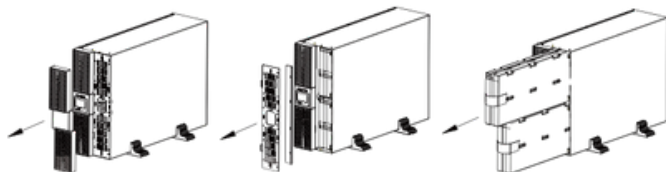
6-10kVA (S)



6-10kVA (H)



Display panel can be retated



Easy for maintaince, hot-swappable battery for S model

- | | |
|-------------------------|-----------------------------------|
| 1. RS232 | 6. Intelligent slot |
| 2. EPO | 7. Input breaker |
| 3. USB (optional) | 8. Terminal |
| 4. Temp_comp (optional) | 9. PE |
| 5. Parallel port | 10. Maitanance bypass signal port |

Available Options

- RS232 and intelligent slot included
- Optional parallel function, battery temperature compensation, SNMP card, USB, RS485 card, dry contacts, and EMD.

Specifications

MODEL	HD906RTS	HD906RTH	HD9010RTS	HD9010RTH
Capacity	6kVA/6kW		10kVA/10kW	
INPUT				
Input wiring	Single-phase three-wire(1Φ+N+PE)			
Rated voltage	208/220/230/240Vac			
Rated frequency	88~176 Vac (linear derating between 30% and 100% load) ; 176~288 Vac no derating)			
Frequency range	40~70Hz			
Power factor	≥0.99			
Bypass voltage range	-40%~+15% (settable)			
THDi	≤5%			
OUTPUT				
Output wiring	Single-phase (L-N)			
Rated voltage	208(PF=0.9)/220/230/240Vac			
Voltage regulation	±1%			
Frequency	Synchronized to bypass in mains mode; 50/60Hz ± 0.1Hz in battery mode			
Waveform	Pure sine wave			
Power factor	1			
THDv	≤1%(full linear load); ≤4%(non-linear load)			
Crest factor	3:1			
Overload	105%~110% for 10min, 110%~125% for 1min, 126%~150% for 30s			
BATTERIES				
DC voltage	192Vdc (192~240 Vdc settable)			
Number of battery	Default 16pcs, settable 10~22pcs (10~15pcs linear derating to 50%)			
Inbuilt battery (S model)	12V/7Ah×16	/	12V/9Ah×16	/
Charger power	S model: 1 A (default); H model: 5 A (default), 1~5 A settable; 12 A (optional)			
Recharge time	S model: 90% capacity restored in 8 hours; H model: depend on the capacity of battery			
SYSTEM				
Efficiency	≥ 94% at 100% load, max. 94.5% at 60% load, ≥98% in ECO mode			
Transfer time	0ms			
Protections	Short-circuit, overload, overtemperature, battery low voltage, overvoltage, undervoltage and fan failure			
Max. number of parallel connections	4			
Communications	RS2332, intelligent slot (Standard). USB/ dry contacts/ SNMP card with RS485 and Modbus protocol/ battery temperature compensation (optional)			
Display	LCD+LED			
OTHERS				
Operating temperature	0°C~40°C			
Storage temperature	-25°C~55°C(without battery)			
Relative humidity	0~95%(non-condensing)			
Altitude	≤ 1000m, derating 1% for each additional 100m			
IP rating	IP 20			
Noise level at 1m	≤ 58dB			
Dimensions(W×D×H)(mm)	S model: 440x660x176. H model: 440x470x88			
Net weight(kg)	58	12	63	14

- All specifications are subject to change without notice
- Custom-made specifications are acceptable