

6-10 KVA TOWER (1:1)

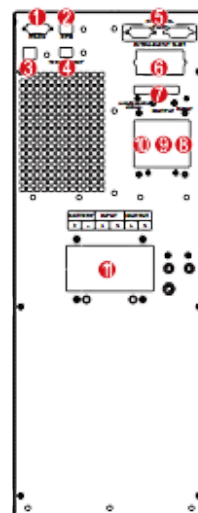


Features

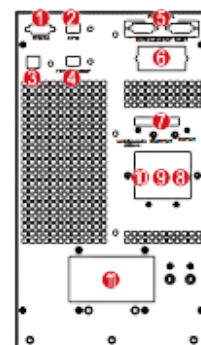
- Advanced dual-core DSP control technology and 3-level technology
- Active Power Factor Correction Technology, input power factor up to 0.99
- System efficiency improved to 95%, energy saving rate is doubled
- Output power factor 1.0
- Working efficiency up to 98% in ECO mode
- Fan speed varies intelligently with load, reducing noise and extending its service life
- Standard 5A Charger, Optional 12A Charger (For H model)
- With ultra wide input voltage range (80 ~ 288Vac) and frequency range (40-70Hz)
- 50 Hz / 60 Hz auto-sensing frequency
- 50 Hz / 60 Hz frequency conversion mode
- Flexible battery configuration (settable 10-22 pcs batteries)
- Linear derating in low voltage input reducing battery discharging time, extending the service life of battery
- Intelligent battery management, automatic equalized and float charging control, charger dormancy control, improving the reliability of charger and extending the battery life
- Powerful background software for parameters configuration and online upgrade
- Effective hardware and software protection, robust self-diagnosis function, abundant event log for future check
- Standard RS232, EPO, intelligent slot
- Optional SNMP card, Wi-Fi card, Dry contacts, Parallel kit, RS485

Rear Panel

1. RS232
2. EPO
3. USB (optional)
4. Temp_comp (optional)
5. Parallel port
6. Intelligent slot
7. Maintenance bypass micro-switch (Optional with maintenance breaker)
8. Input breaker
9. Output breaker (Optional)
10. Maintenance breaker (Optional)
11. Terminal



6-10kVA (S)



6-10kVA (H)

Specifications

MODEL	HD906S	HD906H	HD9010S	HD9010H
Capacity	6kVA/6kW		10kVA/10kW	
INPUT				
Input wiring	Single-phase three-wire (1Φ+N+PE)			
Rated voltage	208/220/230/240Vac			
Voltage range	176~288Vac (full load); 90~176Vac (linear derating to 30%)			
Rated frequency	50/60Hz			
Frequency range	40~70Hz			
Power factor	≥0.99			
Bypass voltage range	-40%~+15% (settable)			
THDi	≤5%			
OUTPUT				
Output wiring	Single-phase three-wire (1Φ+N+PE)			
Rated voltage	208(PF=0.9)/220/230/240Vac			
Voltage regulation	±1%			
Frequency	Synchronized with utility in mains mode; 50/60Hz±0.1% in battery mode			
Waveform	Pure sine wave			
Power factor	1			
THDv	≤ 1% (full linear load); ≤ 4% (full non-linear load according to IEC/EN62040-3)			
Crest factor	3:1			
Overload	105%~110% for 10min, 110%~125% for 1min, 126%~150% for 30s			
BATTERIES				
DC voltage	Default 192Vdc (120~264Vdc)			
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: 1A(default), 1~5A settable; H model: 5A(default), 1~5A settable; 12A(optional)			
Charger voltage precision	1%			
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. 95% 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	Standard: RS232, EPO, intelligent slot Optional: SNMP card with RS485 and Modbus protocol, Wi-Fi card, dry contacts, parallel kit			
Display	LCD+LED			
OTHERS				
Operating temperature	0°C~40°C			
Storage temperature	-40°C~70°C(without battery)			
Relative humidity	0~95%(non-condensing)			
Altitude	<1000m, derating 1% per 100m from 1000~2000m			
IP rating	IP 20			
Noise level at 1m	<58dB			
Dimensions (W×D×H)(mm)	S model: 191×500×515. H model: 191×440×350			
Net weight (kg)	49.5	14.5	58.5	15.5

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