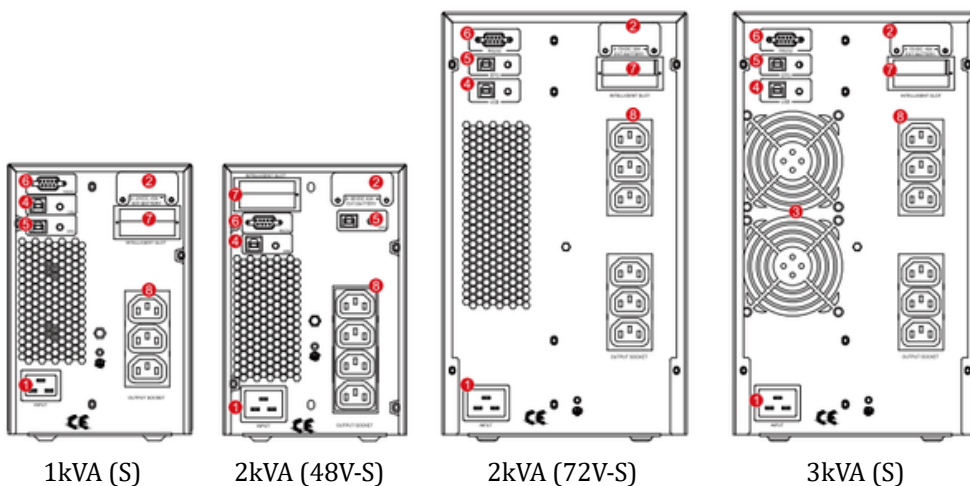


1-3KVA TOWER (1:1)



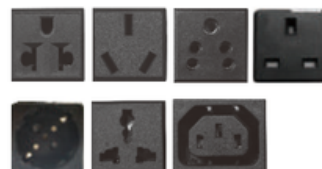
Features

- High frequency on-line double conversion technology
- DSP (Digital signal processing) control technology
- Active power factor correction (APFC), input power factor up to 0.99
- Output power factor 0.9/1.0
- Wide input voltage range (110 V~ 300 Vac) and frequency range (40~70Hz)
- Auto sensing frequency
- 50/60 Hz frequency conversion
- Cold start
- Rear ventilation design and variable speed fan
- Effective software and hardware protection
- Quick and stable charging, 90% capacity restored in 3h (S model)
- 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
- Multi-plaform communications: RS232 (standards), USB/ RS485/ SNMP/ dry contacts (optional)
- Optional USB, RS485 card, AS400 dry contacts, SNMP card, EPO function



Rear Panel

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



Optional Outlets

Specifications

MODEL	HD901S		HD901H		HD902S		HD902H		HD903S		HD903H	
Capacity	1kVA/0.9kW or 1kVA/1kW (optional)				2kVA/1.8kW or 2kVA/2kW (optional)				3kVA/2.7kW or 3kVA/3kW (optional)			
INPUT												
Rated voltage	208 / 220 / 230 / 240Vac											
Voltage range	110 ~ 176Vac (linear derating between 50% and 100% load); 176 ~ 280Vac (no derating); 280 ~ 300Vac (derating 50%)											
Frequency	40 ~ 70Hz (auto-sensing)											
Power factor	≥0.99											
Bypass voltage range	- 25% ~ +15% (settable)											
THDi	≤ 6%											
OUTPUT												
Voltage	208 / 220 / 230 / 240Vac (settable via LCD)											
Voltage regulation	±1%											
Frequency	45 ~ 55Hz or 55 ~ 65Hz (synchronized range); 50 / 60Hz ± 0.1Hz (battery mode)											
Waveform	Pure sine wave											
Power factor	0.9/1.0											
THDv	≤2% (linear load), ≤5% (non-linear load)											
Crest factor	3:1											
Overload	105% ~ 125% for 1min, 125% ~ 150% for 30s, >150% for 300ms											
BATTERIES												
DC voltage	24V	36V	24V	36V	48V	72V	48V	72V	72V	96V	72V	96V
Inbuilt battery	2×9Ah	3×7Ah	/	/	4×9Ah	6×7Ah	/	/	6×9Ah	8×7Ah	/	/
Charging current (max)	S model: 1A, H model: 6A											
Recharge time	S model: 90% capacity restored in 3 hours; H model: depend on the capacity of battery											
SYSTEM												
Efficiency	≥90% (Mains mode)				≥91% (Mains mode)				≥92% (Mains mode)			
	≥85% (Battery mode)				≥86% (Battery mode)				≥87% (Battery mode)			
	≥95% (ECO mode)				≥96% (ECO mode)				≥97% (ECO mode)			
Transfer time	Mains mode to battery mode: 0 ms											
	Inverter mode to bypass mode: 4 ms (typical)											
Protections	Short-circuit, overload, overtemperature, battery discharge protection and fan testing protection											
Communications	RS232, Intelligent slot (standard). USB / RS485 / dry contacts / SNMP card (optional)											
Display	LCD + LED											
Standards	EN 62040-1, EN 62040-2, EN 61000-3-2, EN 61000-3-3, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2, IEC 62040-2, IEC 62040-1, IEC 62040-3											
OTHERS												
Operating temperature	0°C ~ 40°C											
Storage temperature	-25°C ~ 55°C (without batteries)											
Relative humidity	0 ~ 95% (non-condensing)											
Altitude	≤ 1000m, derating 1% for each additional 100 m											
IP rating	IP 20											
Noise level at 1m	≤ 50dB											
Dimensions (W×D×H) (mm)	144×312 ×216	144×371 ×216	144×336 ×214	144×336 ×216	144×417 ×216	191×419 ×335	191×418 ×335	191×418 ×335	191×419 ×335	191×419 ×335	191×418 ×335	191×418× 335
Net weight (kg)	11	12.8	6	6	16.4	23.1	10.5	10.5	24.3	29.4	11	11

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