

## AHS Series

Solar Inverter 1.2kVA - 8kVA



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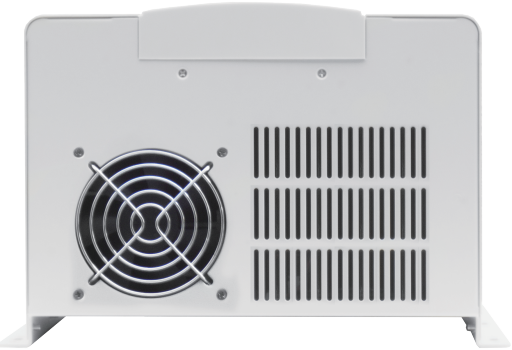
Introduction

AHS series, a powerful all-in-one inverter which delivers unsurpassed clean true sine wave output power for all appliances in the office, home and industry, from a cell phone charger to a circular saw, including work lights, drills, vacuums, printer, fax machines, soldering irons, and more.

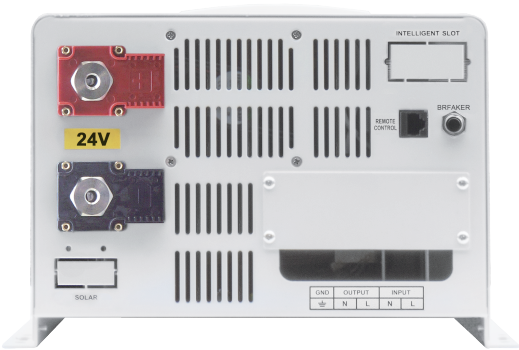
AHS can be use at job sites, traveling, camp sites and during power failure emergencies. With its strong and durable design, AHS can be connected to non-limited number batteries and to endure non-stop 24 hours operation. The built-in 5-stage intelligent charger provides an efficiently charge ability without the risk of overcharge. Optional solar charger server supports solar panel to work in parallel with utility. The compact & modular design make utility interactive installations easier and more cost effective. It is a high quality product which offers the best performance for home, office use as well as in the industry.

Features

- Un-limited load applicability
  - Un-limited batteries backup time
  - 24 hours operation on the Inverter
  - Multi-stage charger supports big charge
  - Compatible with both linear & non-linear load
  - Controllable & Removable panel with LCD
  - Parameter Pre-settable
- Support solar panel
  - Low DC voltage supports office and home appliances
  - DC start and automatic self-diagnostic function
  - High efficiency design to save electricity
  - Low heat dissipation in long time operation
  - Designed to operate under harsh environment
  - Optional Multiple interfaces cards available



Top of AHS 2.4K/3.6K



Bottom of AHS 2.4K/3.6K



Top of AHS 5K/6K/8K



Bottom of AHS 5K/6K/8K

AHS Series

Specification

MODEL		AHS-123	AHS-243	AHS-363	AHS-503	AHS-603	AHS-803
Capacity	VA / Watt	1.2kVA/800W	2.4kVA/1600W	3.6kVA/2400W	5kVA/4000W	6kVA/6000W	8kVA/8000W
INPUT							
Nominal Voltage		110/115/120Vac or 220/230/240Vac					220/230/240Vac
Voltage Range	Acceptable Voltage Range	60~135Vac or 120~270Vac					120~270Vac
	Frequency	45Hz ~ 70Hz Auto-sensing					
	Low Voltage Transfer	60Vac ±2% ; 120Vac ±2%					120Vac ±2%
	Low Voltage Return	65Vac ±2% ; 130Vac ±2%					130Vac ±2%
	High Voltage Transfer	135Vac ±2% ; 270Vac ±2%					270Vac ±2%
	High Voltage Return	130Vac ±2% ; 260Vac ±2%					260Vac ±2%
OUTPUT							
Voltage		110/115/120Vac or 220/230/240Vac re-settable via LCD panel					
Voltage Regulation(Bat.Mode)		<3% RMS for entire battery voltage range					
Frequency Regulation	Line Mode	Synchronized to AC main					
	Battery Mode	50Hz or 60Hz ±0.1Hz					
Power Factor		0.67		0.8	1		
Wave Form		Pure sine wave					
Efficiency		>75%	>80%				
Overload Protection	Line Mode	>110%,then buzzer alarm and amber LED blink continuously					
	Battery Mode	110%~150% : 30 sec; > 150% : 200ms, then UPS Shutdown					
Short Circuit Protection	Line Mode	Circuit breaker					
	Battery Mode	Electronic circuit					
DC START							
Cold Start		Yes					
TRANSFER TIME							
Typical		< 8 ms					
BATTERY							
Voltage		12Vdc or 24Vdc	24Vdc			48Vdc	
Backup Time		Base on the batteries connected					
CONTROL PANEL							
LCD Display		UPS status, I/P&O/P voltage/frequency, load level, battery voltage and level, temperature, model					
LED		Normal (Green), Warning (Amber), Fault (Red)					
AUDIBLE ALARM							
Battery Mode		Beeping every 4 seconds					
Low Battery		Beeping every second					
UPS Fault		Beeping continuously					
Overload		Beeping twice per second					
Parameter Re-settable		Voltage, frequency, 5 steps charge current					
ENVIRONMENT							
Operation Temperature		0 - 40 °C (32 - 104 °F)					
Relative Humidity		0-95% (non-condensing)					
Audible Noise(At 1M)		< 55dBA					
PHYSICAL							
Dimensions (W*H*D)mm (Wall mounted type)		298*400*150	298*450*190	298*450*190	415*600*260	415*600*260	415*600*260
Net Weight (Kgs)w/o battery (Wall mounted type)		14	21	23	49.2	51.4	53.6

\* All specifications mentioned above are subject to change without prior notice