

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, campsite 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 batteries up to 600AH.
- 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.

Specification of

Model		AHS-123	AHS-243	AHS-363	AHS-503	AHS-603	AHS-803	
Capacity		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	
	Acceptable Voltage Range		60~135Vac or 120~270Vac				120~270Vac	
	Frequency		45Hz ~ 70Hz Auto-sensing					
	Voltage Range	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	1.0		
	Wave Form		Pure Sine wave					
	Effeciency		>75%	>80%				
	Overload Protection	Line Mode	>110%,then Buzzer Alarm and Amber LED Blink Continuously.					
		Battery Mode	110%~150% for 30 sec; >150% for 200ms, then UPS Shuts Down					
	Short Circuit Protection	Line Mode	Circuit Breaker					
Battery Mode		Electronic Circuit						
DC Start	Cold Start		Yes					
Transfer Time	Typical		< 8 ms.					
Battery	Battery Voltage		12Vdc	24Vdc			48Vdc	
	Backup Time		Base on the batteries connected					
	Recharging Current		>40A	>50A		>60A		
Control Panel	LCD Display		UPS status, I/P&O/P Voltage Frequency, Load Level, Battery Voltage & Level, Temperature, Model					
	LED Display		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 degree C; 32-104 degree F					
	Relative Humidity		0-95% non-condensing					
	Audible Noise		Less than 55dBA (at 1M)					
Physical	Wall Mounted Type(W*H*D)mm		298*400*150	298*450*190	298*450*190	415*600*260	415*600*260	
	Wall Mounted Type Net Weight (Kgs)		14.8	23.0	24.2	49.2	51.4	
Safety Conformance	Safety Standard		EN62040-1-1					
	EMC		EN62040-2					
	Marks		CE, cUL, UL					

Mark:Specifications are subjected to change without prior notice.



AHS Pure Sine Wave Inverter
For All Home & Office Appliances.

www.protek.com.cn