



Uninterruptible Power Supply

Solar UPS

Pure Sine Wave Inverter



Features :

- Multiple Microprocessor Design Base
- Compatible with both linear & non-linear load
- Stronger charger to support batteries of 600AH up
- 24 hours operation on the inverter
- Controllable & Removable panel with LCD
- Parameter Pre-settable
- DC start and automatic self-diagnostic function
- THD less than 3%
- High efficiency design to save electricity
- Low heat dissipation in long time operation
- Designed to operate under harsh environment
- 3U 19" Rack Mount Design or Wall Mount Design



**Inverter + Charger + Transfer Switch
+ Solar Power In One package
For Home & Office**



Solar UPS - AHS series, a powerful all-in-one solution, delivers unsurpassed clean true sine wave output power and combines this with a selectable multistage battery charging current. Applicable for any kinds of loads such as air conditioner, home appliances, consumer electronic and office equipment. This series features a durable & continuous 24 hours operation. The built-in 5-stage make utility interactive installations easier and more cost effective. It is a high quality product that offers the best price / performance ratio in the industry.

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Specification of Solar UPS

Model		AHS-103	AHS-203	AHS-303	AHS-503	AHS-803	AHS-104		
Capacity		1KVA / 800W	2KVA / 1600W	3KVA / 2400W	5KVA / 4000W	8KVA / 6000KW	10KVA / 8000W		
Input	Nominal Voltage	220 / 230 / 240 Vac or 110 / 115 / 120Vac					220 / 230 / 240Vac		
	Voltage Range	Acceptable Voltage Range	120Vac-270Vac / 60Vac-135Vac					120Vac-270Vac	
		Frequency	50Hz / 60Hz Auto Sensing (45Hz - 70Hz)						
		Low Voltage Transfer	120Vac ± 2% ; 60Vac ± 2%					120Vac ± 2%	
		Low Voltage Return	130Vac ± 2% ; 65Vac ± 2%					130Vac ± 2%	
		High Voltage Transfer	270Vac ± 2% ; 135Vac ± 2%					270Vac ± 2%	
		High Voltage Return	260Vac ± 2% ; 130Vac ± 2%					260Vac ± 2%	
Output	Voltage	220Vac (230Vac or 240Vac re-settable via LCD panel); 110Vac (120Vac or 115Vac re-settable via LCD panel)							
	Voltage Regulation	Battery Mode	< 3% RMS for entire battery voltage range						
	Frequency Regulation	Line Mode	Synchronized to Ac Main						
		Battery Mode	50Hz or 60Hz ±0.1Hz						
	Waveform	Pure Sine wave							
	Power Factor	0.8							
	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(at Full Load)	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, Charging Current, 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 45dBA (at 1M)							
Physical	Net Weight (Kgs) - Wall Mounted Type	14.8Kg	23Kg	24.2Kg	49.2Kg	51.4Kg	53.6Kg		
	Dimension (W x H x D) mm - Wall Mounted Type	298 x 400 x 150	298 x 450 x 190	298 x 450 x 190	415 x 600 x 260	415 x 600 x 260	415 x 600 x 260		

* Specifications are subjected to change without prior notice.

STD.001.12.26.07



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