

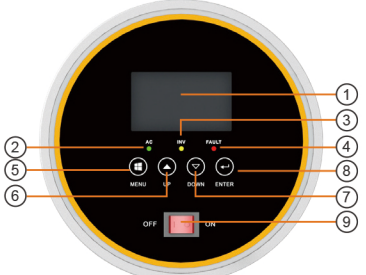
Features

- Pure sine wave output
- Friendly user interface
- 3 Steps charging
- MFD (multi-function display)
- Overload and short-circuit protection
- Set charging voltage/charging current
- Battery low voltage shutdown point can be set to 10/10.5/11V
- Power-save mode
- Set utility priority /battery priority
- Set utility input wide/narrow voltage range
- Inverter voltage can be set to 220V/230V/240V
- Inverter frequency can be set to 50Hz/60Hz
- Set utility charging on/off switch
- Inbuilt 80A MPPT Solar Charge Controller

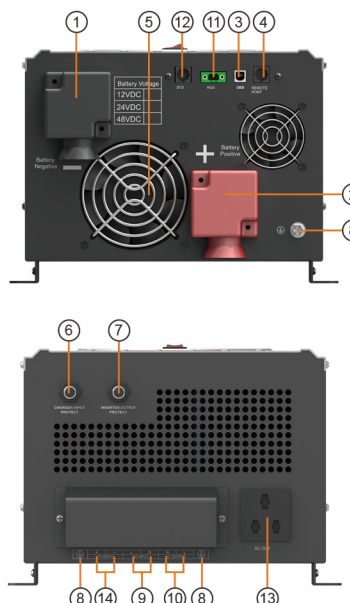
Introduction

AM24/AM48 series is very economical pure sine wave solar inverter, Inbuilt with 80A MPPT charger; Solar/AC priority is configurable, when setting solar priority, solar will charge batteries as first priority, and AC can also charge batteries when solar charger current is too lower, in this way system charge is optimized best. it enables inverter to operate with all kinds of home appliances.

Back panel printing description

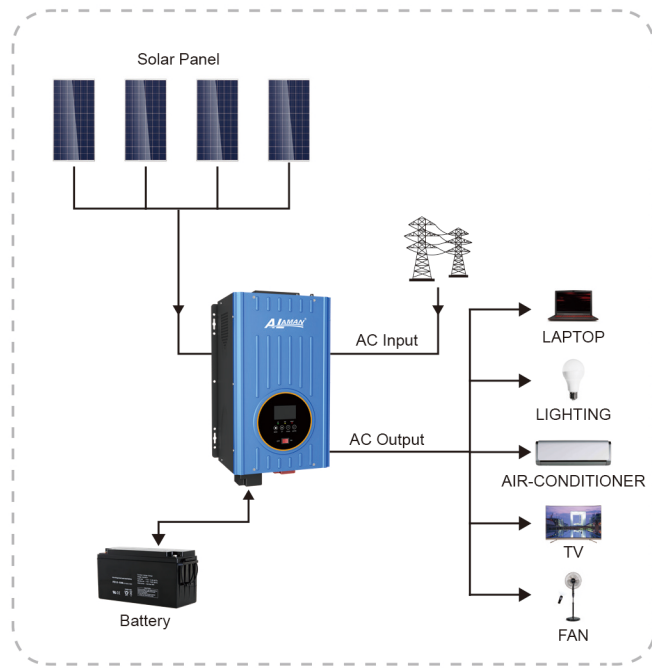


1. LCD display
2. AC LED
3. INV LED
4. Fault
5. Menu
6. UP
7. Down
8. Enter
9. Switch ON/OFF



1. BAT -
2. BAT +
3. USB
4. Remote port
5. FAN
6. Charger input protect
7. Inverter output protect
8. GND
9. AC input
10. AC output
11. AGS
12. BTS
13. AC Output 10A(MAX)
14. PV input

Solar system connection



Specification

MODEL		AM24-4000VA Solar	AM48-9000VA Solar
Nominal Battery System Voltage		24VDC	48VDC
INVERTER OUTPUT	Rated Power	4000VA/3KW	9000VA/6KW
	Surge Rating	9000VA	18000VA
	Capable Of Starting Electric Motor	2HP	3HP
	Waveform	Pure sine wave / same as input (bypass mode)	
	Nominal Output Voltage RMS	220V / 230V / 240VAC (±10% RMS)	
	Output Frequency	50Hz / 60Hz ±0.3Hz	
	Inverter Efficiency (Peak)	>88%	
	Line Mode Efficiency	>95%	
	Power Factor	1.0	
	Typical Transfer Time	10ms(max)	
AC INPUT	Voltage	230VAC	
	Selectable Voltage Range	96~132VAC 155~280VAC(For personal computers)	
	Frequency Range	50Hz / 60Hz(Auto sensing) 40~80Hz	
BATTERY	Minimum Start Voltage	(10V / 10.5V / 11V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)	
	Low Battery Alarm	(10V / 10.5V / 11V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)	
	Low Battery Cut Off	10V / 10.5V / 11V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)	
	High Voltage Alarm	(13.8-14.5V)+1V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)	
	High Battery Voltage Recover	(13.8-14.5V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)	
	Idle Consumption-Search Mode	Load ≤50±20W(120V)/100±20W(220V)	
CHARGER	Output Voltage	Depends on battery type	
	Charge AC Input Breaker Rating	230V	2-3K/30A 4-6K/40A
	Overcharge Protection S.D.	15.7VDC for 12VDC mode (*2 for 24VDC mode, *4 for 48VDC mode)	
	Maximum Charge Current	40A	40A
BYPASS & PROTECTION	Input Voltage Waveform	Sine wave (grid or generator)	
	Nominal Input Frequency	50Hz or 60Hz	
	Overload Protection (SMPS Load)	Circuit breaker	
	Output Short Circuit Protection	Circuit breaker	
	Bypass Breaker Rating	230V	1-3K/30A 4-6K/40A
	Max Bypass Current	30Amp	
SOLAR CHARGER	Maximum PV Array Power	2500W	5000W
	Maximum PV Charge Current	80A±4A	
	DC Voltage	12V / 24V auto work	24V / 48V auto work
	MPPT Range @ Operating Voltage	16~100VDC @ 12V/32~145VDC @ 24V	32~145VDC @ 24V/64~145VDC @ 48V
	Maximum PV Array Open Circuit Voltage	145VDC	
	Standby Power Consumption	<2W	
MECHANICAL SPECIFICATIONS	Mounting	Wall Mount	
	Dimensions (W*H*D)	423*247*197mm	597*247*197mm
	Net Weight (Solar CHG)(kg)	25.2	45.7
	Shipping Dimensions (W*H*D)	585*387*322mm	758*387*322mm
	Shipping Weight (Solar CHG)(kg)	28.2	50
OTHER	Operation Temperature Range	0°C to 40°C	
	Storage Temperature	-15°C to 60°C	
	Audible Noise	60dB MAX	
	Display	LED+LCD	
	Standard Warranty	1 year	