

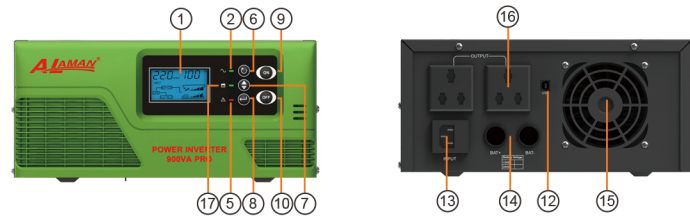
Features

- Rated power 600W to 1000W
- Pure sine wave output
- Smart LCD setting (frequency , charge voltage,charge current, etc).
- 3 steps charging algorithm
- Built in AVR function
- Overload and short-circuit protection
- Battery reverse polarity protection (Optional)
- Deep discharge protection
- Cold start function

Introduction

AM12 series inverter is a cost effective, intelligent with UPS function. The comprehensive LCD offers user-configurable and easy-accessible button adjustment such as battery charge current, battery charge voltage, frequency, buzzer etc. It's perfect for the user who need a simple and economical inverter,with user-friendly installation and setting.Tower and rack design available for different choices.

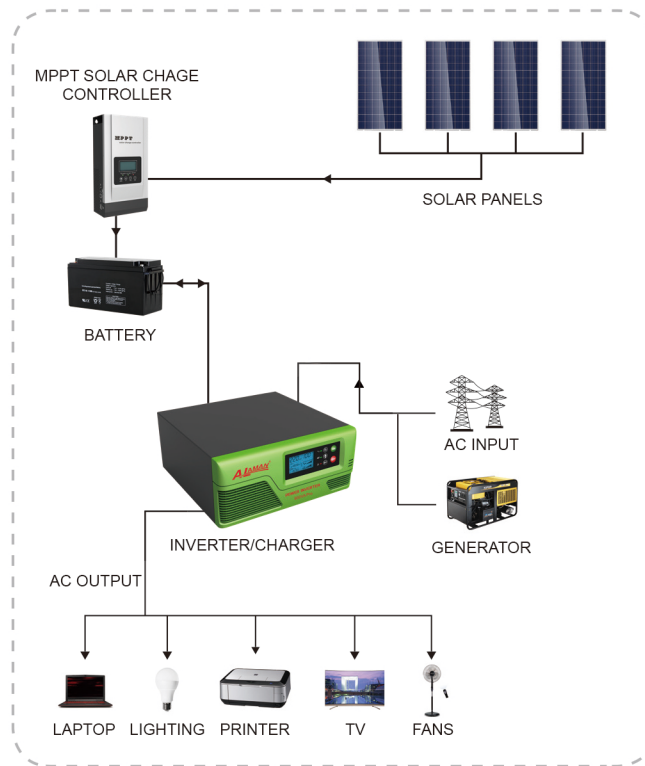
Back panel printing description



AM12 (Rack)

- | | | |
|------------------|--------------|------------------|
| 1. LCD display | 7. SEL | 13.AC Input |
| 2. AC Input LED | 8. ENTER | 14.Battery input |
| 3. Bypass LED | 9. Power On | 15.Fan |
| 4. AC output LED | 10.Power Off | 16.AC output |
| 5. Fault LED | 11.Fax / Tel | 17.Battery LED |
| 6. ESC | 12.USB | |

Solar system connection



Specification

MODEL	AM12-800 PRO	AM12-1400 PRO	
Default Battery System Voltage		12VDC	
INVERTER OUTPUT	Rated Power	900VA/600W	
	Surge Rating	1800VA	
	Waveform	Pure sine wave	
	Rated Output Voltage	Inverter: 230VAC ±2% (RMS), AVR: 195VAC-245VAC	
	Output Frequency	50Hz / 60Hz ±0.2Hz	
	Invert Frequency (Peak)	>75%	
	Bypass Efficiency	>95%	
	Output Transfer Time	Typical:6ms 10ms(max)	
	AC INPUT	Voltage	220 / 230 / 240VAC
Selectable Voltage Range		140~280VAC±2%	
Low Battery Alarm		140VAC±2%	
Low Voltage Recover		150VAC±2%	
High Battery Alarm		280VAC±2%	
High Voltage Recover		270VAC±2%	
Low Frequency Alarm		45±2Hz	
Low Frequency Recover		46±2Hz	
High Frequency Alarm		65±2Hz	
High Frequency Recover		64±2Hz	
Nominal Input Range		50Hz / 60Hz ±2Hz	
AC Auto Restart		YES	
BATTERY		Minimum Start Voltage	Low Battery Voltage Cutoff+0.5V
		Low Battery Alarm	Low Battery Voltage Cutoff+0.5V
	Low Battery Cutoff	10-12.0VDC	
	High Battery Alarm	(13.8-14.5V)+1V for 12VDC mode (*2 for 24VDC)	
AC CHARGE	Floating Voltage	13.5-14.5VDC	
	Boost Voltage	13.8~14.5V	
	Maximum Charge Current	600W 20A	
BYPASS & PROTECTION	Input Waveform	Pure sine wave	
	Input Frequency	50Hz or 60Hz	
	Overload Protection	110%~125%R Load fault after 30S ; 125%~150%R Load fault after 3S ; >150%R Load fault after 500ms	
	Over Temperature Protection	≥90°C	
	Bypass Output Protection	10A 250VAC	
	Output Circuit Protection	YES	
	Battery Reverse Protection	Optional	
	Battery Low Voltage Protection	YES	
	Battery High Voltage Protection	YES	
	Bypass Breaker Rating	10A	
Maximum Bypass Current	10A		
MECHANICAL SPECIFICATION	Dimensions(W*H*D) (mm)	315*145*210	
	(N.W)kg	300W 7.5	
	Shipping Dimensions(W*H*D) (mm)	420*280*225	
	(G.W)kg	300W 8	
OTHER	Operating Temperature	0°C ~40°C 0~90% relative humidity (non-condensing)	
	Storage Temperature	-15°C to 55°C	
	Altitude	≤1000M	
	Audible Noise	≤60dB	
	Display	LED+LCD	
	Cooling Mode	Fan cooling	
	Fan Starting	>45°C starting, <30°C Closing	
Communication	USB		

The technical specifications of this document are subject to change without any notice