

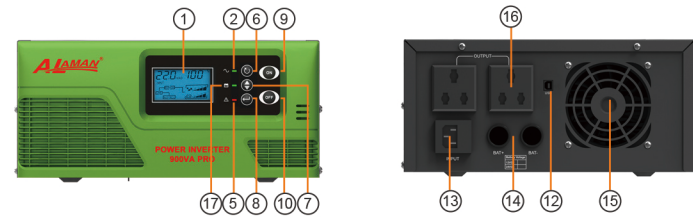
Features

- 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.

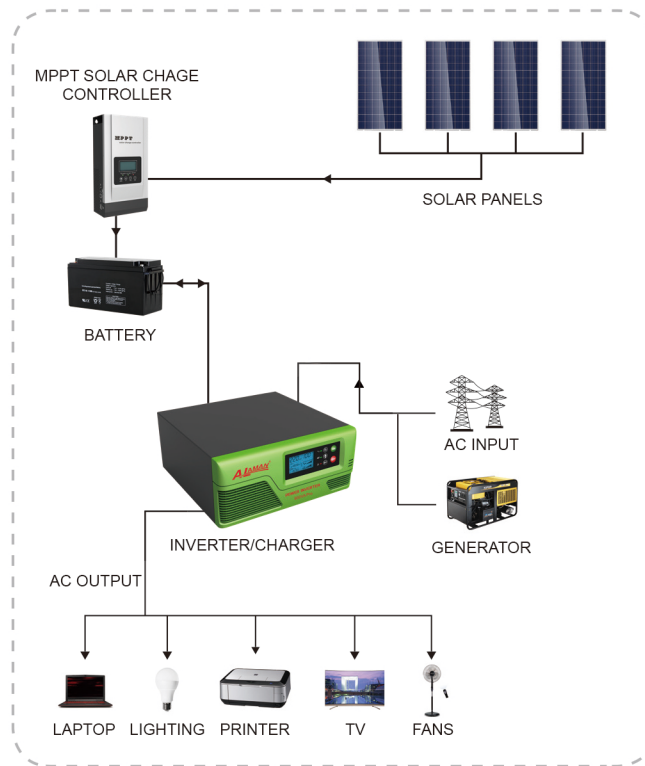
Back panel printing description



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