

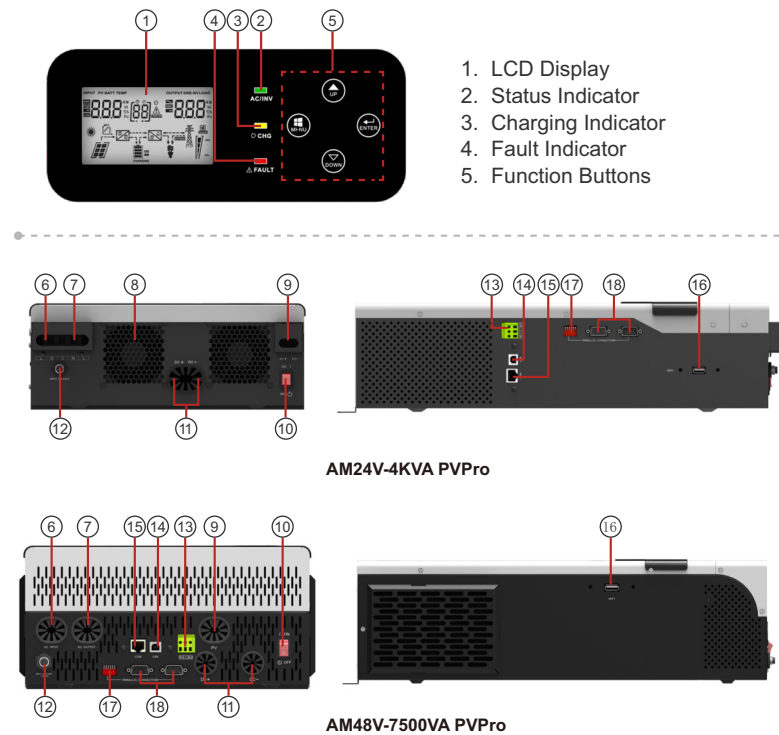
Features

- Pure sine wave output
- Smart LCD setting (Working modes, Charge Current, Charge Voltage, etc).
- Built-in MPPT solar charge controller
- MAX PV Array Open Circuit Voltage: 450V
- Combining solar system, AC utility, and battery power source to supply continuous power
- Overload, short circuit and Deep discharge protection
- Cold start function
- Support USB, RS485 monitoring function
- Parallel operation with up to 3 units
- WIFI remote monitoring (optional)

Introduction

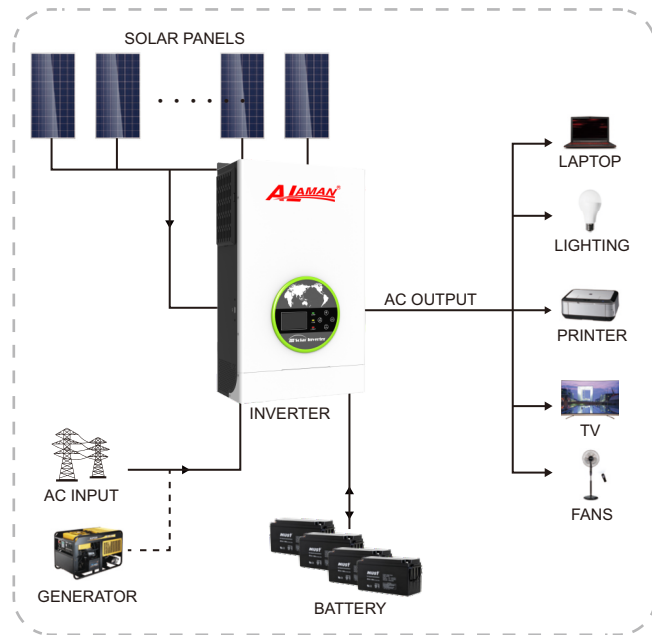
PRO is a multi-function inverter/charger, combining functions of inverter, MPPT solar charger and battery charger to offer uninterruptible power support in portable size. PRO Series can run without battery. The Maximum PV array open circuit voltage can reach 450V and MPPT voltage is 150~430Vdc, which Can help customers make full use of solar energy.

Back panel printing description



- 1. LCD Display
- 2. Status Indicator
- 3. Charging Indicator
- 4. Fault Indicator
- 5. Function Buttons
- 6. AC Input
- 7. AC Output
- 8. FAN
- 9. PV Input
- 10. Power On/Off Switch
- 11. Battery Input
- 12. Circuit breaker
- 13. Dry Contact
- 14. USB
- 15. RS-485/CAN Communication port
- 16. USB WiFi
- 17. Parallel switch (only for parallel model)
- 18. Parallel communication port (only for parallel model)

Solar system connection



Specification

MODEL		AM24V-4KVA PVPro	AM48V-7500VA PVPro
Nominal Battery System Voltage		24VDC	48VDC
INVERTER OUTPUT	Rated Power	3000VA / 3000W	5200VA / 5200W
	Surge Power	6000W	10400W
	Waveform	Pure sine wave	
	AC Voltage Regulation (Batt.Mode)	230VAC±5%(Setting)	
	Inverter Efficiency(Peak)	90%	
	Transfer Time	10ms (UPS / VDE4105) / 20ms (APL)	
AC INPUT	Voltage	230VAC±5%	
	Selectable Voltage Range	170~280VAC(UPS) / 90~280VAC(APL) / 184~253VAC(VED4105)	
	Frequency Range	50Hz / 60Hz(Auto sensing)	
BATTERY	Normal voltage	24VDC	48VDC
	Floating Charge Voltage	27.4VDC	54.8VDC
	Overcharge Protection	30VDC	60VDC
SOLAR CHARGER & AC CHARGER	Maximum PV Array Open Circuit Voltage	450VDC	
	Maximum PV input voltage	18A	27A
	Charging Algorithm	3-Step (Flooded Battery, AGM / GEL / LEAD Battery), 4-Step (Li)	
	Maximum PV Array Power	4000W	6000W
	PV Array MPPT Voltage Range	150~430 VDC	
	Maximum Solar Charge Current	80A	100A
	Maximum AC Charge Current	60A	80A
MECHANICAL SPECIFICATIONS	Maximum Charge Current	80A	100A
	Machine Dimension (W*H*D)	322*486*134mm	309*505*147mm
	Package Dimension (W*H*D)	/	/
	G.W (kg)	/	/
	N.W (kg)	/	/
OTHER	Humidity	5% to 95% Relative humidity (Non-condensing)	
	Operating Temperature	0°C~50°C	
	Storage Temperature	-15°C~60°C	