

Inverter 5200va/5200w



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
- Can provide the power to the load without battery
- 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)



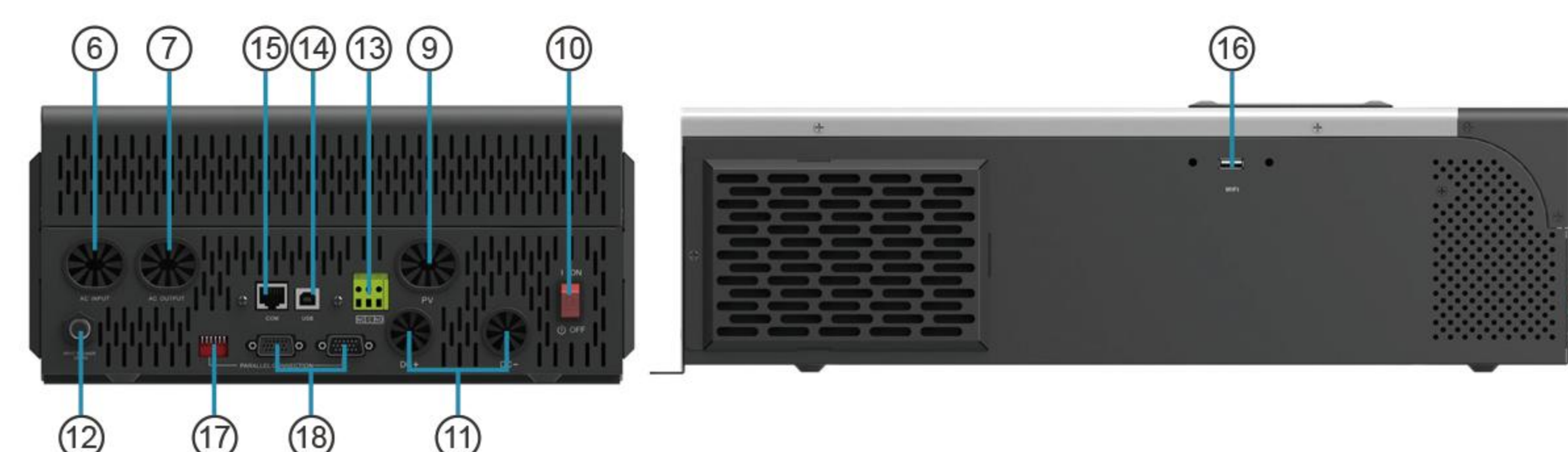
Introduction

ES-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. ES-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

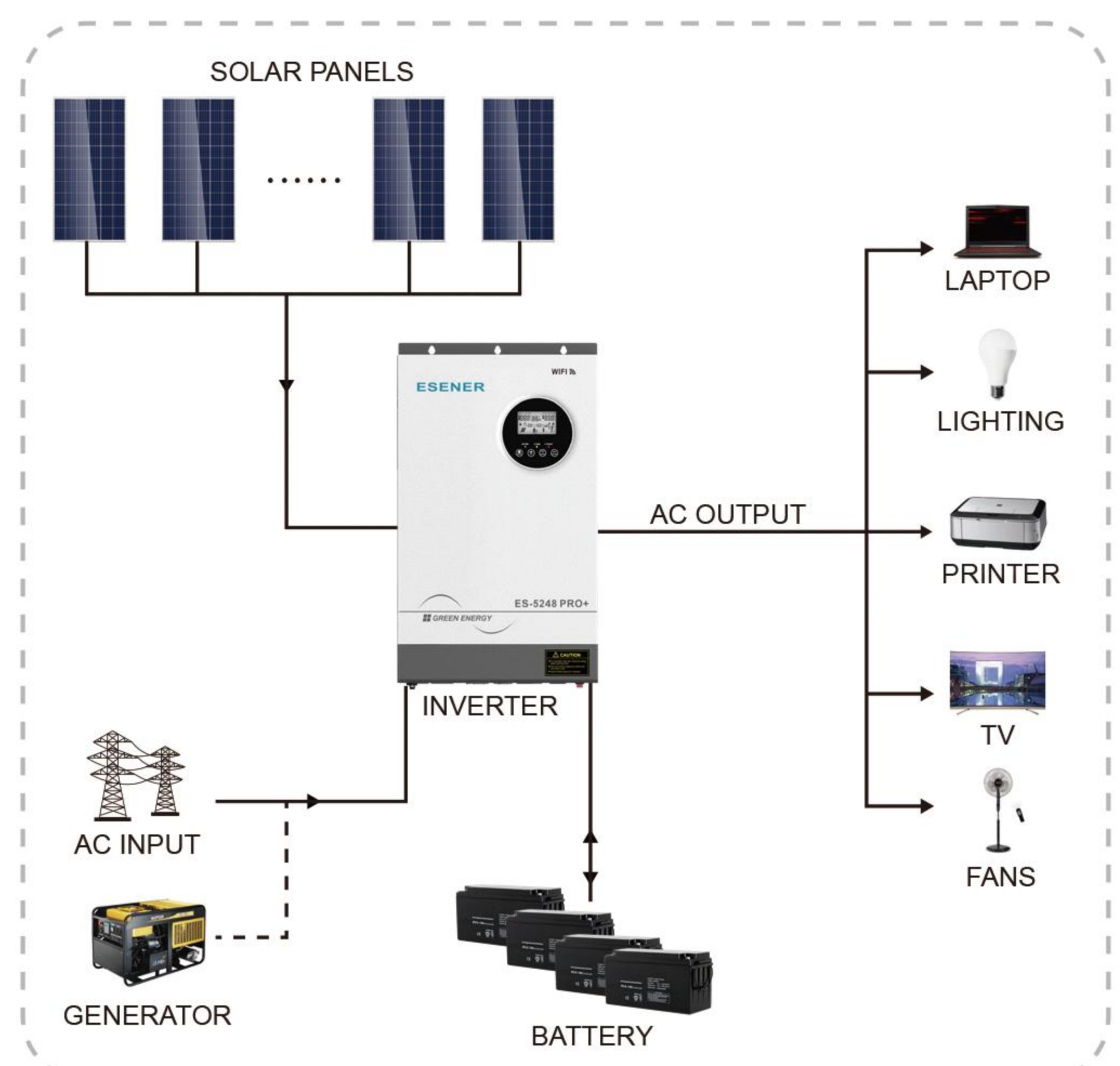


1. LCD Display
2. Status Indicator
3. Charging Indicator
4. Fault Indicator
5. Function Buttons



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|-------------------------|---|
| 6. AC Input | 12. Circuit breaker |
| 7. AC Output | 13. Dry Contact |
| 8. FAN | 14. USB |
| 9. PV Input | 15. RS-485/CAN Communication port |
| 10. Power On/Off Switch | 16. USB WiFi |
| 11. Battery Input | 17. parallel Switch (only for parallel model) |
| | 18. parallel communication port (only for parallel model) |

Solar system connection



Specification

MODEL		ES-5248 PRO+	
Nominal Battery System Voltage		48VDC	
INVERTER OUTPUT	Rated Power	5200VA / 5200W	
	Surge Power	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	48VDC	
	Floating Charge Voltage	54.8VDC	
	Overcharge Protection	60VDC	
SOLAR CHARGER & AC CHARGER	Maximum PV Array Open Circuit Voltage	450VDC	
	Charging Algorithm	3-Step (Flooded Battery, AGM / GEL / LEAD Battery), 4-Step (Li)	
	Maximum PV Array Power	5000W	6000W
	PV Array MPPT Voltage Range	150~430 VDC	
	PV Max Input Current	27A	
	Maximum Solar Charge Current	80A	100A
	Maximum AC Charge Current	60A	80A
	Maximum Charge Current	80A	100A
MECHANICAL SPECIFICATIONS	Machine Dimensions (W*H*D)(mm)	309*505*147	
	Package Dimensions (W*H*D)(mm)	375*655*269	
	Net Weight(kg)	14	
	Gross Weight(kg)	16.4	
OTHER	Humidity	5% to 95% Relative humidity (Non-condensing)	
	Operating Temperature	0°C~50°C	
	Storage Temperature	-15°C ~60°C	