



120V ESS All In One Inverter and MPPT Inside

PRODUCT FEATURES

FLEXIBILITY AND COMPATIBLE

- Double CPU intelligent control technology
- 2 working modes are programmable. The Grid power first mode / battery power first mode
- Smart fan control, safe and reliable
- Pure sine wave output is clean and reliable for all type of loads, capacity can be up to 500AH

SAFETY AND RELIABILITY

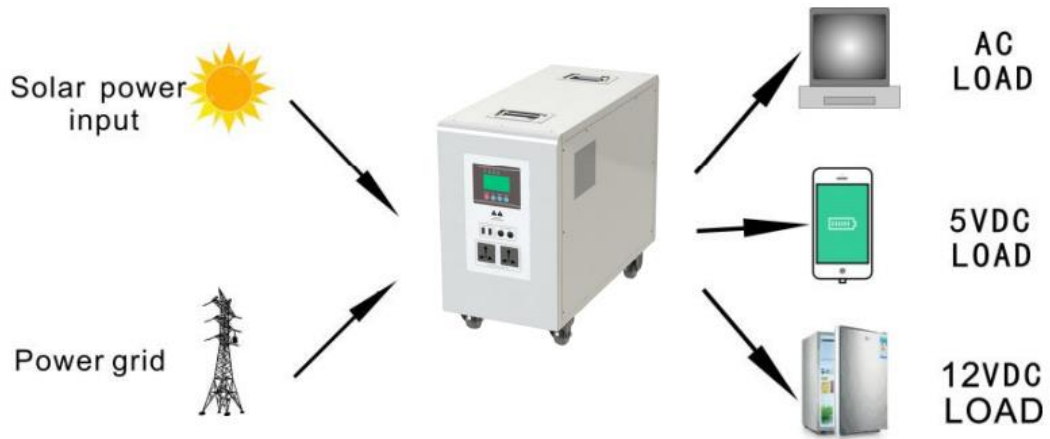
- Wide input voltage range, high-precision output automatic voltage function
- Battery over-voltage and low-voltage protection, overload protection, short circuit protection, over-temperature protection
- The intelligent MPPT solar controller, over-charge & over-discharge protection, current limiting charging, multiple protection



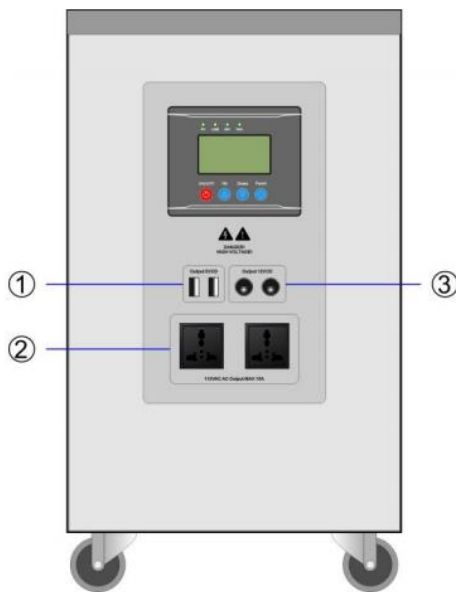
TYPICAL SPECIFICATION

Model		3KW
Battery rated voltage (vdc)		51.2
Inverter	Rated power (w)	3000
	Input voltage range (vac)	92-148VAC
	Input frequency (Hz)	45-65
	Output voltage (vac)	120
	Output frequency (Hz)	50/60
	Output wave	Pure Sine Wave
	Spefication of built-in battery	1*100Ah
MPPT Solar input	MPPT Voltage Range	60V~150VDC
	PV Power	2600W
	Rated charge current	50A(Max)
	MPPT efficiency	≥99%
	Floating charge voltage	56.8VDC
DC output	Low voltage recovery voltage	53.6VDC
	Low voltage protection voltage	44.8VDC
	5VDC USB output	2 units / MAX 2A
	12VDC output ports	2 units /MAX 2A
Heat dissipation/Cooling		Temperature control by intelligent exhaust fan
Operating ambient temperature		-20 - +50°C
Storage ambient temperature		-25 - +55°C
Operating/Storage ambient		0-90% No condensation
External size: W*D*H (mm)		613*275*511
Package size: W*D*H (mm)		690*710*670

System Working Diagram

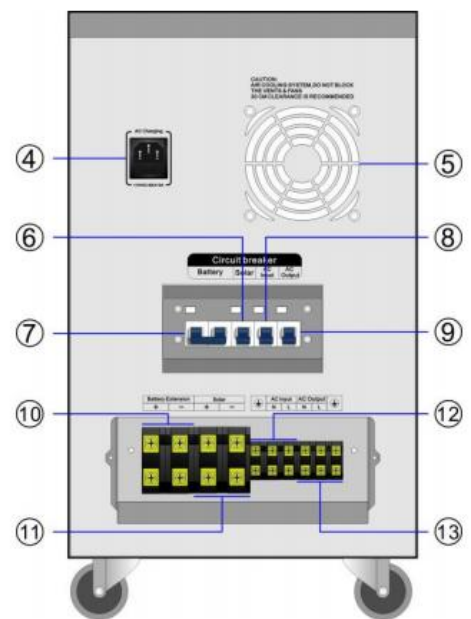


System Operation Panel Introduction



Guide

- ①— 5VDC Output (USB sockets)
- ②— AC Outlets
- ③— 12VDC Input



Guide

- ④— AC Input socket (AC charger)
- ⑤— Cooling fan
- ⑥— Solar Input breaker
- ⑦— Battery Input breaker
- ⑧— AC Input breaker
- ⑨— AC Output breaker
- ⑩— External battery input terminals
- ⑪— Solar Input terminals (Solar Charger)
- ⑫— AC Input terminals
- ⑬— AC Output terminals