

SANDISOLAR+

Energy . Anytime. Anywhere

OFF GRID EXPORT

SANDISOLAR+



01

Product Overview

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Q&A



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PART 01

Product Overview



▶ 01

SD-HYM-1215H 1500W

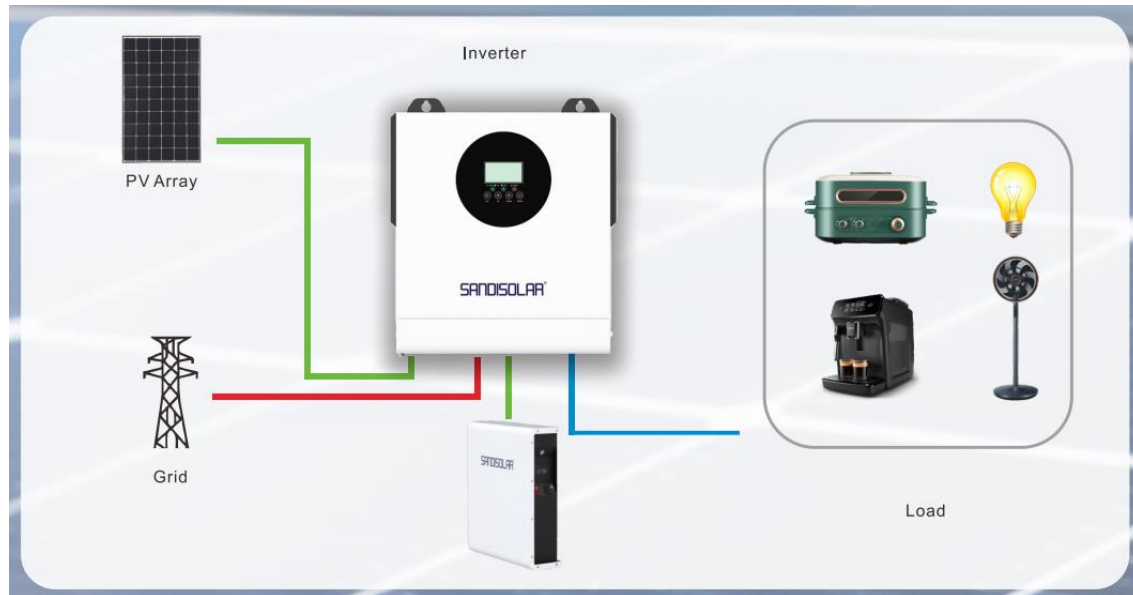
▶ 02

SD-HYM-2435HW 3500W

▶ 03

SD-HYM-48110P 11000W

1.5KW 220V / 230Vac OUTPUT



● Features

- Pure sine wave solar inverter **1500W**
- High PV input Voltage 30VDC-500VDC
- Inbuilt **100 A** MPPT Solar Charge Controller, max Charge current 60 A
- Lithium battery activation** function, which can be triggered by PV
- Max.PV Array Power: **2000W**
- Support multiple output priority: UTL, SOL, SBU



WiFi/GPRS



IOS / Android

SD-HYM-12615L



VS

SD-HYM-1215H



- PV Input Voltage **30-160V**
- AC Charge **80A**, Max Charge Current **120A**
- Built in Smart BMS with RS485 communication
- Max power **900W**

- PV input Voltage **30-500Vdc**
- Box Size is smaller, lighter and more space-efficient
- Max power **2000W**
- Support without battery working mode When only have PV input

SD-HYM-1215H 1.5KW



recommended module configurations are listed in the table below.

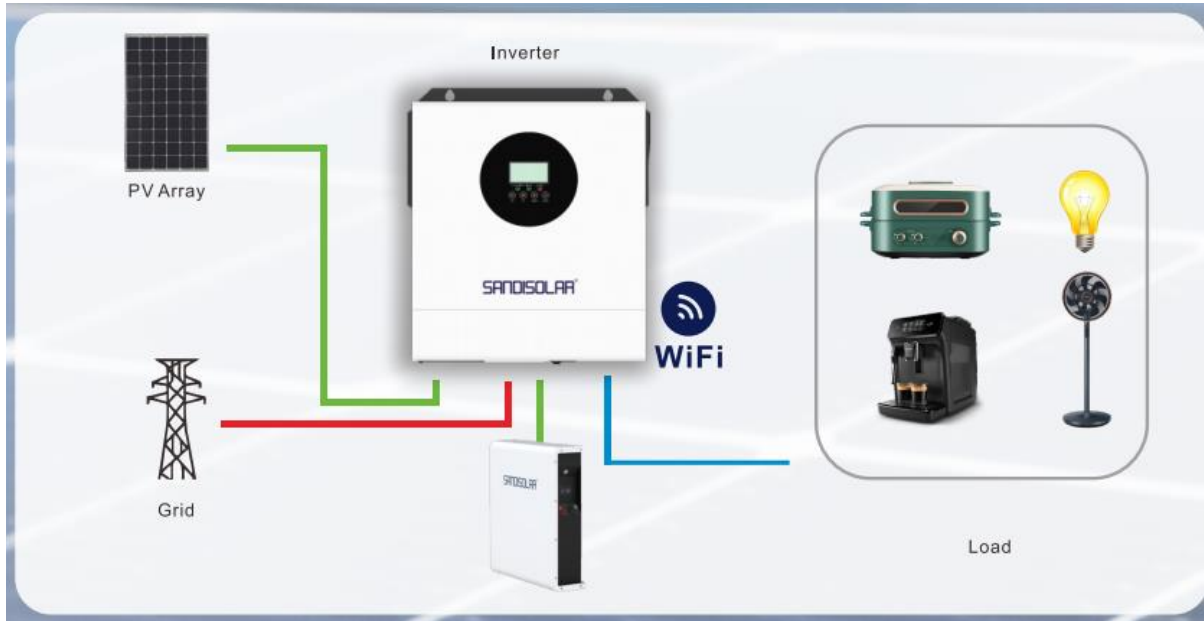
Solar Panel Spec. (reference) - 450Wp - Vmp: 34.67Vdc - Imp: 13.82A - Voc: 41.25Vdc - Isc: 12.98A	SOLAR INPUT	Q'ty of panels	Total input power	Inverter Model
	2 pcs in serial	2 pcs	900 W	1.5KVA-6.2KVA
	3 pcs in serial	3 pcs	1,350 W	
	4 pcs in serial	4 pcs	1,800 W	
	5 pcs in serial	5 pcs	2,250 W	
	6 pcs in serial	6 pcs	2,700 W	
	7 pcs in serial	7 pcs	3,150 W	5.5KVA-6.2KVA
	8 pcs in serial	8 pcs	3,600 W	
	9 pcs in serial	9 pcs	4,050 W	
	10 pcs in serial	10 pcs	4,500 W	6.2KVA
	11 pcs in serial	11 pcs	4,950 W	
	12 pcs in serial	12 pcs	5,400 W	
	6 pieces in serial and 2 sets in parallel	12 pcs	5,400 W	
	7 pieces in serial and 2 sets in parallel	14 pcs	6,300 W	
Solar Panel Spec. (reference) - 550Wp - Vmp: 42.48Vdc - Imp: 12.95A - Voc: 50.32Vdc - Isc: 13.70A	SOLAR INPUT	Q'ty of panels	Total input power	Inverter Model
	2 pcs in serial	2 pcs	900 W	1.5KVA-6.2KVA
	3 pcs in serial	3 pcs	1,650 W	
	4 pcs in serial	4 pcs	2,200 W	
	5 pcs in serial	5 pcs	2,750 W	
	6 pcs in serial	6 pcs	3,300 W	
	7 pcs in serial	7 pcs	3,850 W	5.5KVA-6.2KVA
	8 pcs in serial	8 pcs	4,400 W	
	9 pcs in serial	9 pcs	4,950 W	
	10 pcs in serial	10 pcs	5,500 W	6.2KVA
	11 pcs in serial	11 pcs	6,050 W	
	12 pcs in serial	12 pcs	6,600 W	
	4 pieces in serial and 2 sets in parallel	8 pcs	4,400 W	
	5 pieces in serial and 2 sets in parallel	10 pcs	5,500 W	
	6 pieces in serial and 2 sets in parallel	12 pcs	6,600 W	

SD-HYM-1215H

Solar Panel Spec. (reference) - 550Wp - Vmp: 42.48Vdc - Imp: 12.95A - Voc: 50.32Vdc - Isc: 13.70A	SOLAR INPUT	Q'ty of panels	Total input power	Inverter Model
	3 pcs in serial	3 pcs	1,650 W	3.5KVA/5.5KVA/6.2KVA
	4 pcs in serial	4 pcs	2,200 W	
	5 pcs in serial	5 pcs	2,750 W	
	6 pcs in serial	6 pcs	3,300 W	
	7 pcs in serial	7 pcs	3,850 W	
	8 pcs in serial	8 pcs	4,400 W	5.5KVA/6.2KVA
	9 pcs in serial	9 pcs	4,950 W	
	10 pcs in serial	10 pcs	5,500 W	
	11 pcs in serial	11 pcs	6,050 W	6.2KVA
	12 pcs in serial	12 pcs	6,600 W	
	4 pieces in serial and 2 sets in parallel	8 pcs	4,400 W	6.2KVA
	5 pieces in serial and 2 sets in parallel	10 pcs	5,500 W	
	6 pieces in serial and 2 sets in parallel	12 pcs	6,600 W	
	1 pcs in serial	1 pcs	550W	1.5K/3.5KVA(PVmax=160V)
	2 pcs in serial	2 pcs	1,100W	1.5K/3.5KVA(PVmax=160V)
	3 pcs in serial	3 pcs	1,650 W	3.5KVA(PVmax=160V)

SD-HYM-12615L

3.5KW 220V / 230Vac OUTPUT



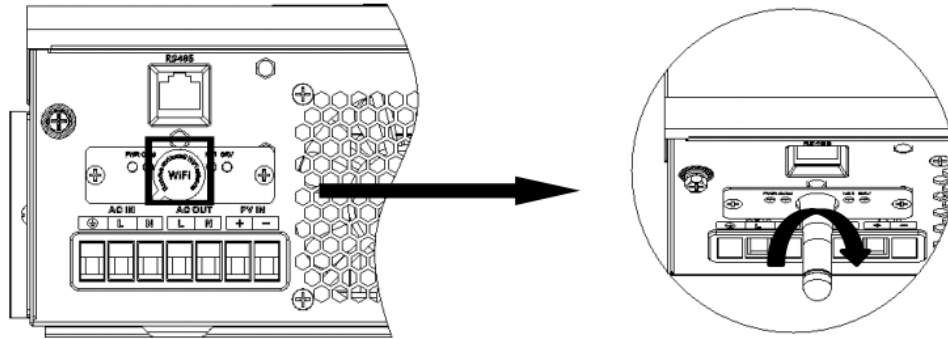
Application Diagram

● Features

- Pure sine wave solar inverter **3500W**
- High PV input Voltage 30VDC-500VDC
- Inbuilt **100 A** MPPT Solar Charge Controller, max Charge current 80 A
- Lithium Battery Activation **(By PV or AC)**
- Compatible work with LifePO4 Battery via RS485
- **Capable to work without battery**
- Built-in WIFI module
- Max.PV Array Power: **4000W**
- Support multiple output priority: UTL,SOL,SBU,SUB

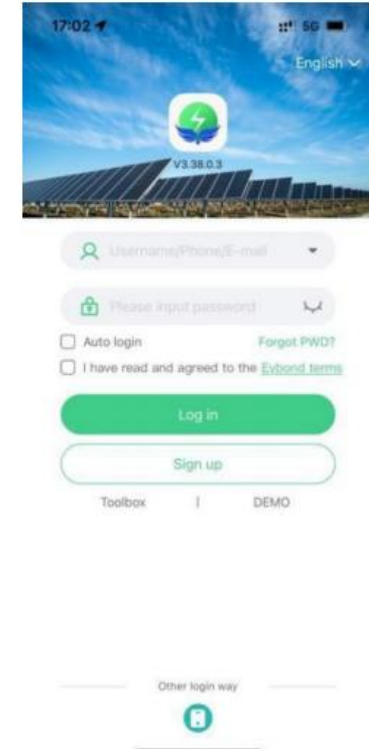
Wi-Fi Plug Pro Quick Installation Guideline

1. Schematic diagram of the Remove and install the wireless antenna



2.1 Download the APP

- (1) Scan the QR code and download the APP (iPhone App Store; Android phone);
- (2) Open the APP, click the "Registration" button, and select "Mobile phone Registration" or "Email Registration";
- (3) Turn on Bluetooth or WiFi as needed.



SD-HYM-2435HW 3.5KW



Compared with old product



SD-HYM-2435HW



SD-HYM-241035

11KW 220V / 230Vac OUTPUT



● Features

- High PV input Voltage 60VDC-500VDC
- Lithium Battery Activation(By PV or AC)
- Built-in 2 MPPT, Dual PV input, Dual AC output
- Max. PV Charge Current: 160A, Max AC charge current 120A
- RS485 Communication for BMS With Liuthum battery Activation (By PV&AC)
- Parallel max up to 6 units, working with or without battery
- Wifi remote monitor(RS232), Dry-Contact
- Color Led with RGB light
- Support multiple output priority: UTL,SOL,SBU,SUB



WiFi/GPRS



IOS / Android

Accessories List

- User manual x 1
- PV connector x 4
- Battery fuse x 1
- WIFI monitorx 1



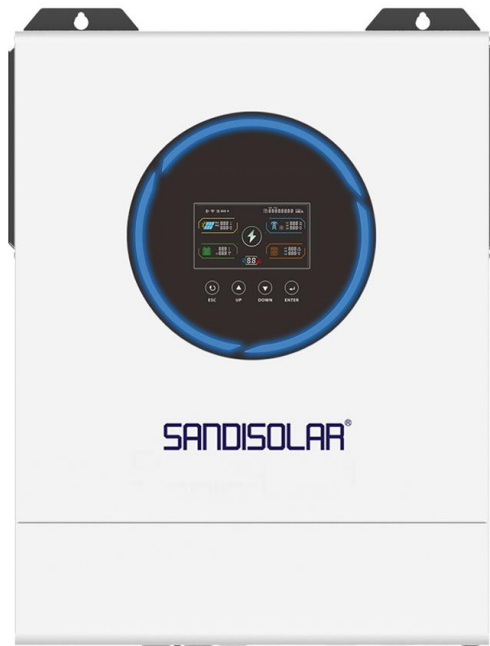
RGB light show



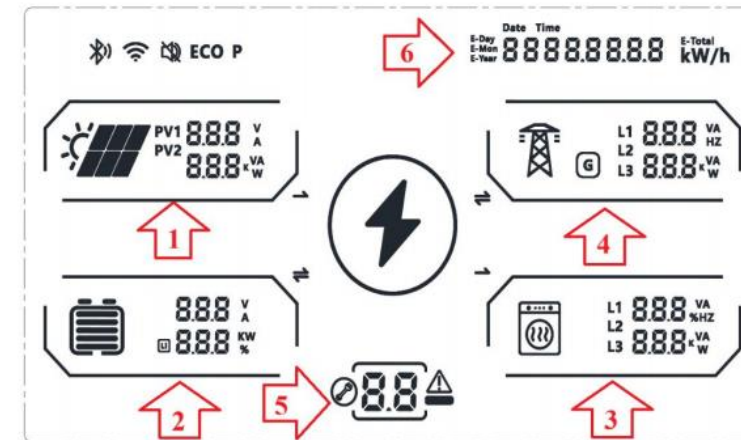
RGB Indicator

RGB Indicator (Default)			Messages
Inverter mode	Green	Solid On	Output is powered by battery or PV in battery mode Battery is fully charged or isn't charged.
		Flashing	Battery is charging with 2s-on and 1s-off
AC mode	Blue	Solid On	Output is powered by AC or PV in AC mode Battery is fully charged or isn't charged
		Flashing	Battery is charging with 2s-on and 1s-off
Standby mode	Cyan	Solid On	Battery is fully charged or isn't charged
		Flashing	Battery is charging with 2s-on and 1s-off
Fault mode	Red	Solid On	Fault occurs in the inverter.
Bypass mode	Purple	Solid On	Working in AC mode without charging
Charging mode	Yellow	Solid On	Battery is fully charged, when switch is off
		Flashing	Battery is charging, when switch is off

LCD Display



The LCD display information will be switched in turns by pressing keys. All of information could be show in 1/2/3/4/5 area of LCD



1). LCD display explanation

Area 1: it could show PV data, such as PV voltage/current/power;

Area 2: it could show battery data, such as battery voltage/current/power/SOC;

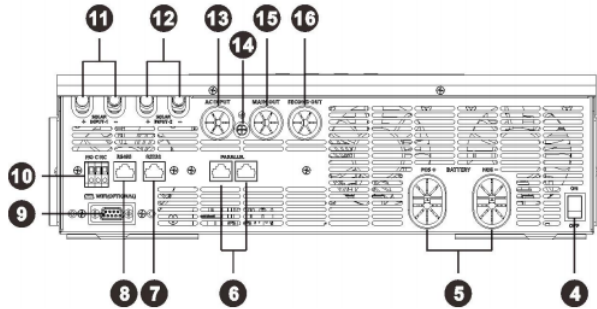
Area 3: it could show ac-output data, such as output voltage/current/power/ percentage/ frequency;

Area 4: it could show ac-input data, such as input voltage/current/power/ percentage/ frequency;

Area 5: it could show setting program code/Eco/buzzer/error/warning;

Area 6: it could show power generation/time/date;

PRODUCT OVERVIEW



- | | |
|---|-----------------------------------|
| 1. LCD display | 9. RS232 communication port (DB9) |
| 2. Function buttons | 10. Dry contact port |
| 3. RGB Indicator | 11. PV1 input |
| 4. Power on/off switch | 12. PV2 input |
| 5. Battery negative/ positive outlet hole | 13. AC input |
| 6. Parallel communication port
(only for parallel model) | 14. Grounding |
| 7. RS232 communication port (RJ45) | 15. Main output |
| 8. RS485 communication port (RJ45) | 16. Second output |



SANDISOLAR+

PART 02

Q&A



THANK YOU

邓乐玲 Renne
