

Inverter Operation Guide

Soils-s5-EO1P5K-48-P



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Scenario

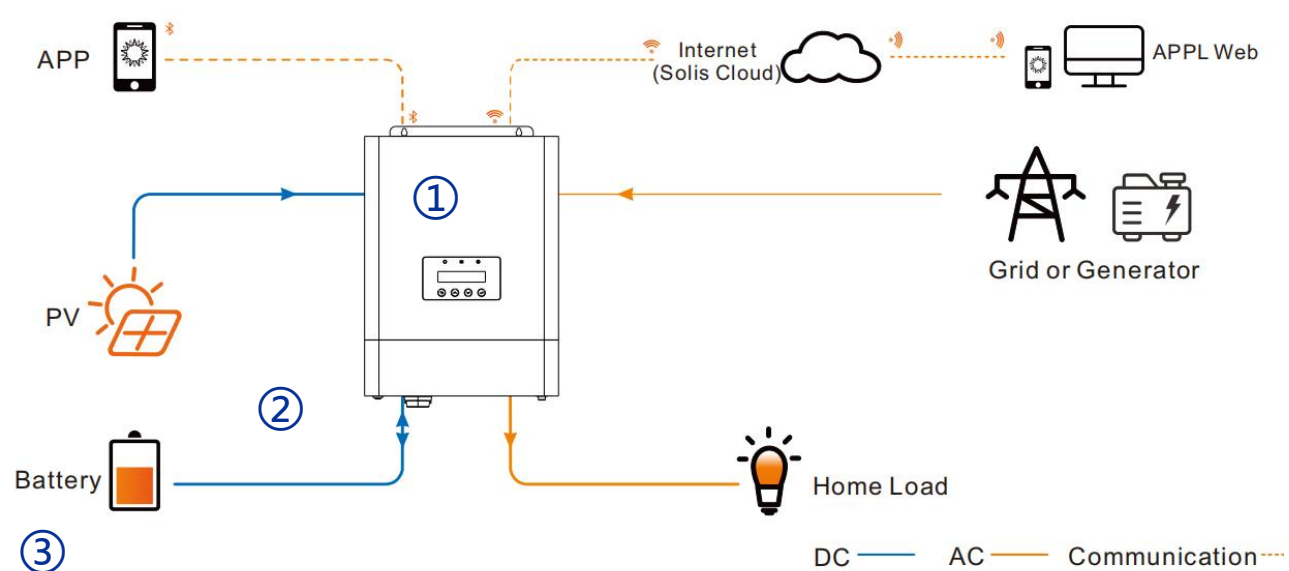
02

Connection

03

Configuration

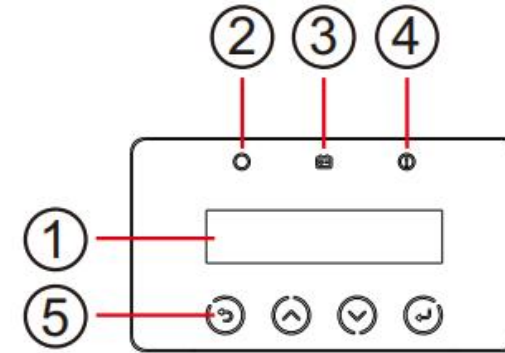
Simple home storage scenario



Key elements

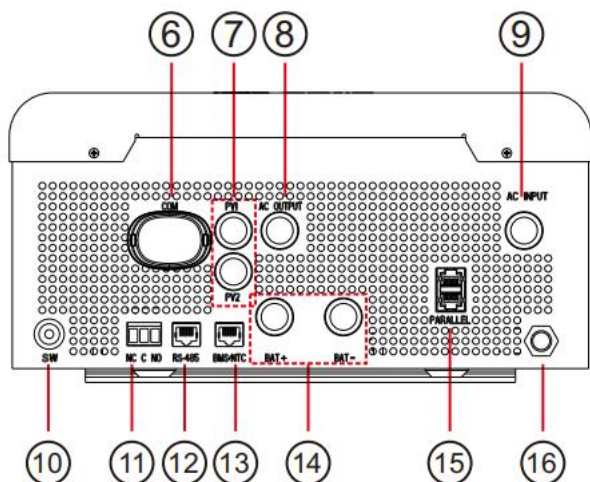
- ① **Inverter** : Soils-s5-EO1P5K-48-P
- ② **Interconnection cable**: Customized communication cable
- ③ **Battery**: The Li-ion Battery Pack composed of 16 strings of cells

PCS Control Panel



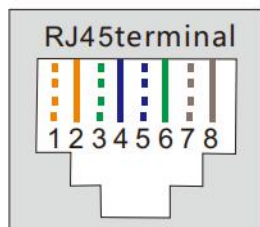
Object	Description
1	LCD display
2	Status indicator
3	Battery Indicator
4	Fault Indicator
5	Function Buttons

PCS Interfaces



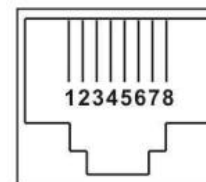
Object	Description	Object	Description
6	COM Port	12	RS-485 Communicaton Port
7	PV Input	13	BMS/NTC Port
8	AC Output	14	Battery Connections
9	AC Input	15	Parallel Communication Ports
10	Battery Wake-Up Switch	16	Circuit Breaker
11	Dry Contact		

Connection Between PCS and BMS



Pin Definition	BMS/NTC	Pin Definition	BMS/NTC
Pin 1	RT1	Pin 5	CAN_L
Pin 2	≡	Pin 6	NC
Pin 3	RT2	Pin 7	BMS485_A
Pin 4	CAN_H	Pin 8	BMS485_B

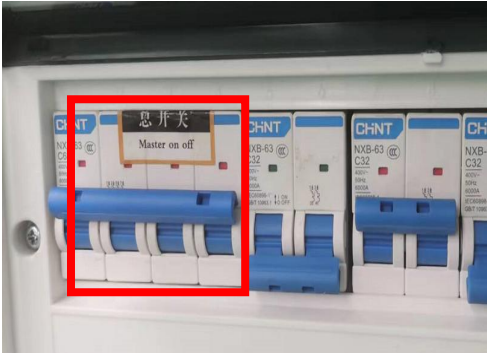
PCS Side



PIN1	RS485-B
PIN2	RS485-A
PIN3	GND
PIN4	CAN-H
PIN5	CAN-L
PIN6	GND
PIN7	RS485-A
PIN8	RS485-B

BMS Side

Matching Setting of Inverter and BMS-1



①

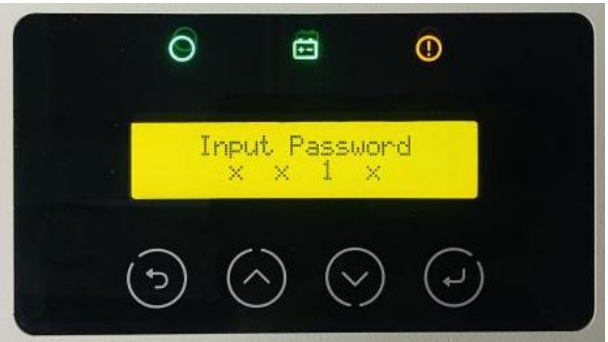
- Check system connection conforms
- **Turn on** the AC power switch



②

Press the key “←” on the inverter to enter settings, press the “^” or “v” key to find “Advanced Settings”, and press the key “↵” to enter Advanced Settings.

Matching Setting of Inverter and BMS-2



Input password: 0010, press the key “↵” to confirm;

③



After entering the battery settings, press the “^” or “v” key to find Battery Select, and press the key “↵” to enter the battery selection settings.

⑤



After entering the “Advanced Settings”, press the “^” or “v” key to find the Battery Settings, and press the key “↵” to enter the “Battery Settings”.

④



Press the “^” or “v” key in the Battery Select option to find “PYLON_LV”, press the key “↵” to complete the setup.

⑥