











# Installation Instruction

## 1 Unpacking inspection

- When the equipment arrives at the installation site, loading and unloading should be carried out according to the rules requirements and regulations, to prevent it from exposure to sun and rain.
- Handle with care and protect the surface coating of the object.
- Check the required accessories before installing the system.

Required list is as follows:

 <p>B4850BOX-AP×1</p>	 <p>Wall bracket×1</p>	 <p>Battery B4850 ×2 or Battery B4850G ×2</p>
 <p>M6*14 screw ×2 (In the case accessory package)</p>	 <p>Connecting wire between battery and inverter (In the case accessory package)</p>	 <p>M6 expansion screw ×4 (In the case accessory package)</p>

		
0.25m Standard communication cable×2 (In the battery accessory package)	Grounding cable×1 (In the battery accessory package)	2 pairs of parallel cables (In the battery accessory package)
		
M8 Slotted Pan Head Screws With Shoulder ×4 (In the case accessory package)		

## 2 Engineering Coordination

The following matters need to be noted before installation:

- Power cable specification.
- The power cable specification shall meet the requirements of maximum discharge current for the product.
- Installation space and load-bearing capacity.
- Ensure the battery has enough space to install; and the battery rack and bracket have enough load-bearing capacity.
- Wiring.
- Ensure the power cable and ground wire are reasonable. It is not easy to be short-circuited, watered and corroded.

### 3 Equipment installation

The wall where the battery installed shall be solid brick or cement wall with strong bearing capacity and the thickness of wall shall not be no less than 100mm.

#### Installation space requirements:



Floor mounting



Wall mounting

Table 1-1 Installation Steps

Step1	Mechanical Installation	Equipment Installation
	Battery Module Installation	1. Ensure that the battery power is turned off 2.Install the battery module
Step2	Electrical Installation	1. Connect the ground cable
		2.Connect the Power cable
Step3		3.Connect the Communication cable
		4.Connect the inverter

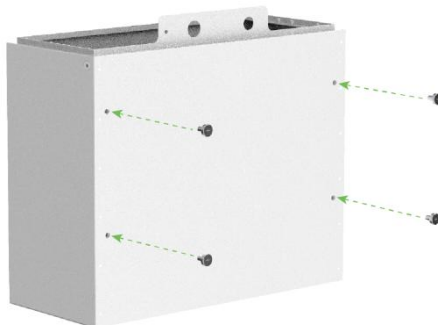
## Mechanical Installation

### Wall mounting method:

1. First, use a drill to drill four holes in the wall at marked locations, each hole being 10 mm in diameter and more than 40 mm deep. Then fix the wall bracket to the wall with four M6 expansion screws, torque controlled to 6NM.



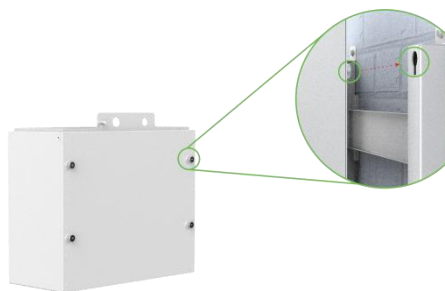
2. Install the screws onto the back of the empty chassis



3. Attach the empty box to the wall bracket.




Notice: Insert the screw heads on the back of the box into the wall bracket slots.



4. After installation, as shown below.



5. Install the battery into the battery box.

 Notice. The holes on both sides of the battery should be aligned with the positioning posts of the battery box.



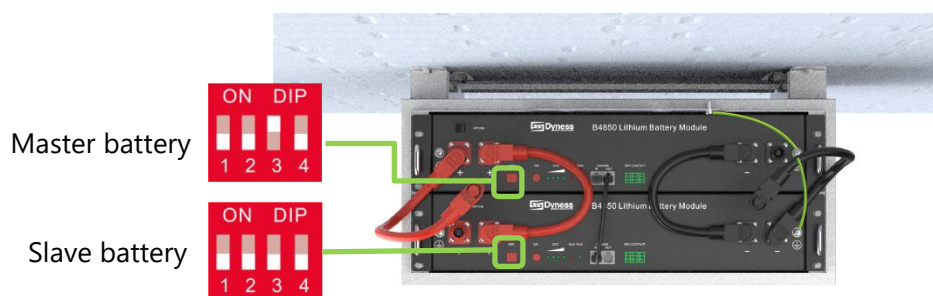
6. Install the ground wire with two screws and torque control 6NM.



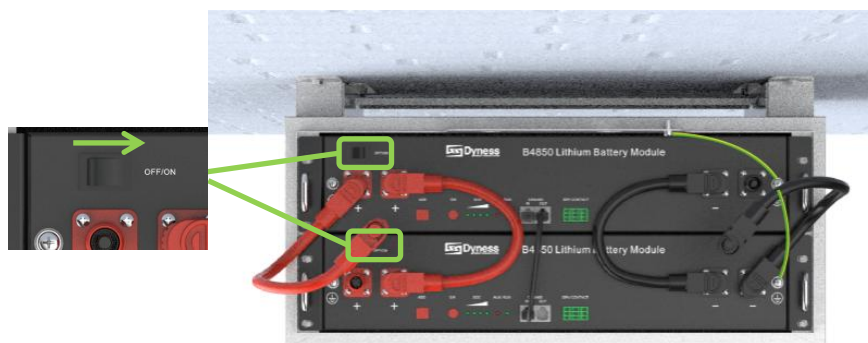
7. Plug in the power and communication cables one by one respectively.



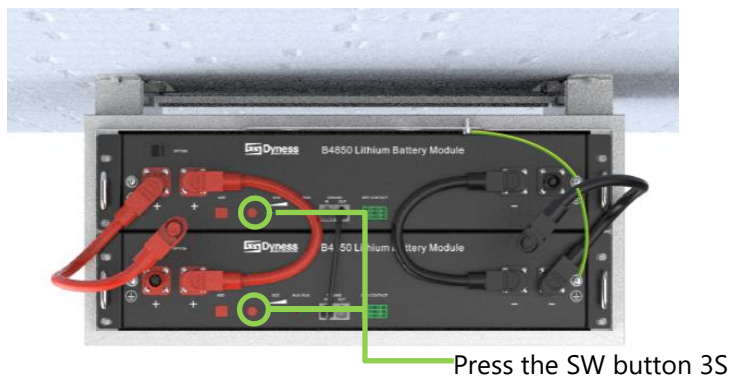
① Set the battery dip switch



② Turn on the ON/OFF switch and make sure the switch is in the "ON" position



③ Press the SW button for 3S to wake up the battery



8. Then lower the top cover vertically and align it with the chassis.

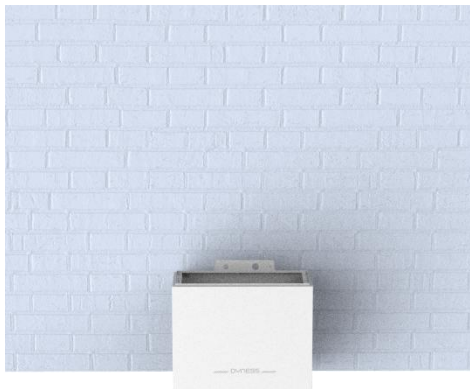


9. Finally, connect the inverter to the battery (connect the harness in the case accessory package).

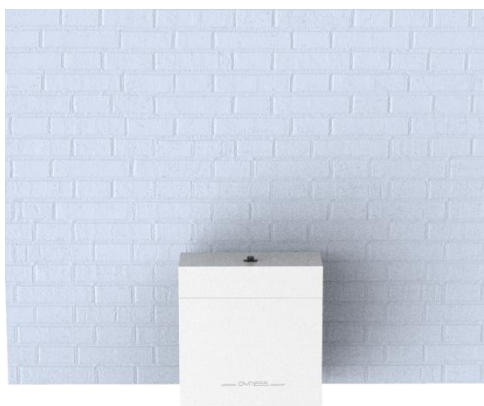


10. Set up the inverter as described in the inverter user manual.



**Floor mounting method:**

1. Place the empty box in the mounting position.



2. Repeat steps 4, 5, 6, 7, for wall mounting.



3. Finally, connect the inverter to the battery (connect the harness in the case accessory package).

4. Set up the inverter as described in the inverter user manual.