

### 附:制作要求

100G双胶纸单面黑白打印，  
展开尺寸：210\*297mm，折叠尺寸105\*74.25mm  
横向压一道竖向压三道，折叠正面朝上。

## Quick Installation Guide

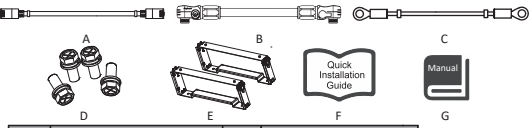
### 1. Tools Required

The following tools will be required to install the Mira-BMS and the battery.



### 2. Packing List

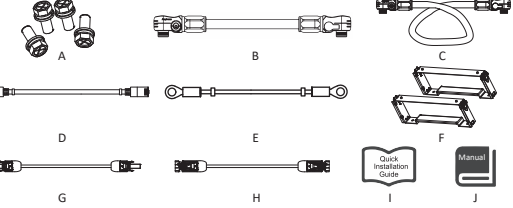
For Mira-HV25 :



No.	Description	No.	Description
A	Communication cable (0.21m)	E	Fixing bracket
B	Battery Power cable (0.19m)	F	Installation guide
C	Grounding cable (0.19m)	G	User Manual
D	Mounting screw pack		

Note: item E is provide separately, not including in battery package. Please contact your dealer if you do not have it.

For Mira-BMS :

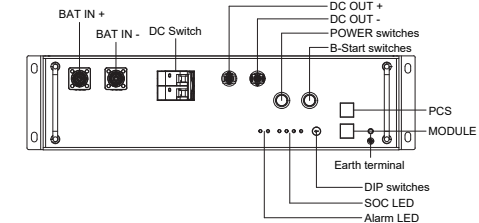


NO.	Items	NO.	Items
A	Mounting screw pack	F	Fixing bracket
B	Main negative battery connection cable (0.17m)	G	DC positive output cable (1.2m)
C	Main positive battery connection cable (1.3m)	H	DC negative output cable (1.2m)
D	Communication cable (BMS-inverter) (1.2m)	I	Installation guide
E	Grounding cable (1m)	J	User manual

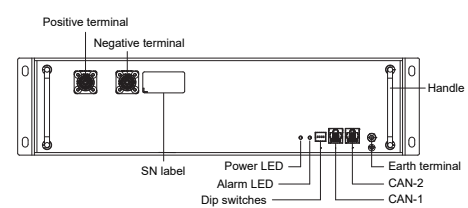
Note: item F is provide separately, not including in battery package. Please contact your dealer if you do not have it.

### 3. Terminals

For Mira-BOX :



For Mira-HV25 :

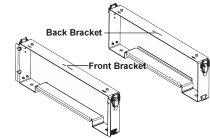


### 4. Installation Steps

Note: Batteries with different color SN label cannot be mixed in one system.

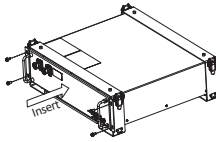
#### Step 1

Place the front bracket and back bracket as shown below.



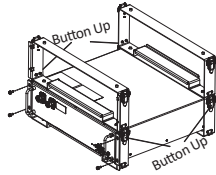
#### Step 2

Insert the battery module into the bracket from front horizontally, and tighten the four screws on the side.



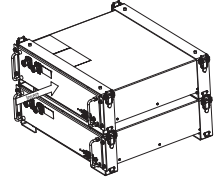
#### Step 3

Locate the brackets for the second battery on top of the first pair of the bracket and fasten the connecting button on the side.



#### Step 4

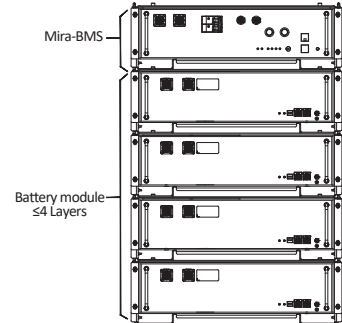
Insert the battery module into the bracket from front horizontally, and tighten the four screws on the side.



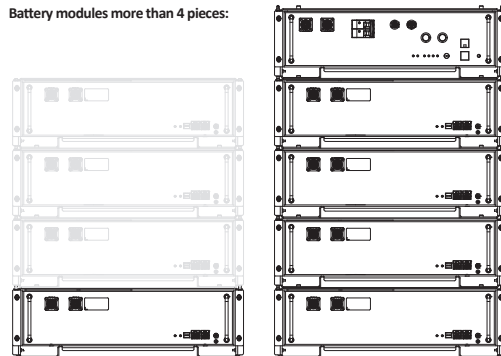
Note:

Max. 4 pieces battery per stack. Please make sure each system including 1 Mira-BMS.

Battery modules less than 4 pieces:



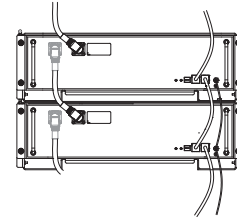
Battery modules more than 4 pieces:



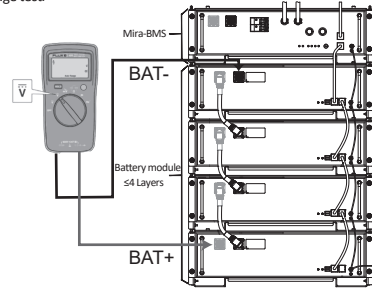
### 5. Wiring Steps

Battery power cable:

**Step 1 :** Connect the power cable starting from the first battery module in series with other battery modules (Orange opposite, black negative). A 'click' sound indicates the connections are secured. The positive and negative connection of the battery cable is shown in below.



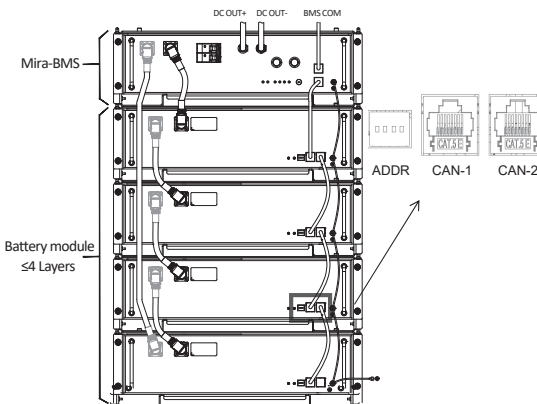
**Step 2 :** Measure voltage value: After all battery modules are connected in series, use a multimeter to measure the DC voltage on DC terminal. The total voltage should be  $N * 52 \pm 10V$  (N is the total number of battery module). Please refer to the picture below for voltage test.



Communication cable connection:

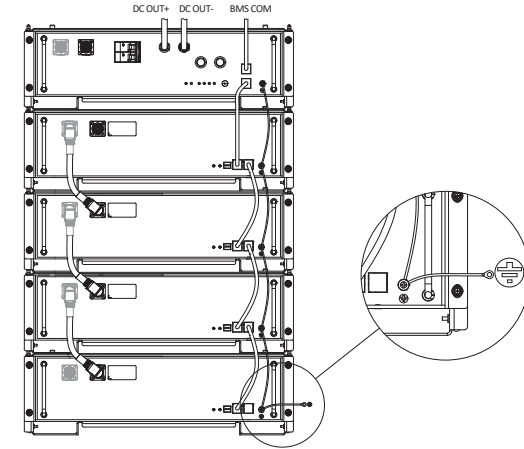
**Step 1 :** Take the main positive cable (two orange plugs), the main negative line (two black plugs) to connect the Mira-BMS.

**Step 2 :** Then connect the MODULE on the Mira-BMS to the CAN-1 of the first battery module, connect the CAN-2 of the previous battery module to CAN-1 of the next battery module, leave the last module's CAN-2 vacant. Wiring shall be connected in the sequence as shown in below.



Grounding cable:

Connect the grounding cable to ensure that all batteries are grounded. Wiring shall be connected in the sequence as shown in below.



### 6. System Start Up

Mira-BMS operation:

- Normal mode: Turn on DC switch first, then press 'POWER' button.
- Black start: (No grid connected) press the 'B-start' switch, turn on DC switch, and then press the 'POWER' switch.

Startup steps:

After powering on, all the green lights flash once, and then the running water lights flash once. The light on the Mira-HV25 comes on after a delay, not at the same time as the light on the BMS.

