Installation and configuration manual
With MUST

Pytes Lithium Battery

E-BOX series

With MUST Inverter

Pytes

CONTENTS

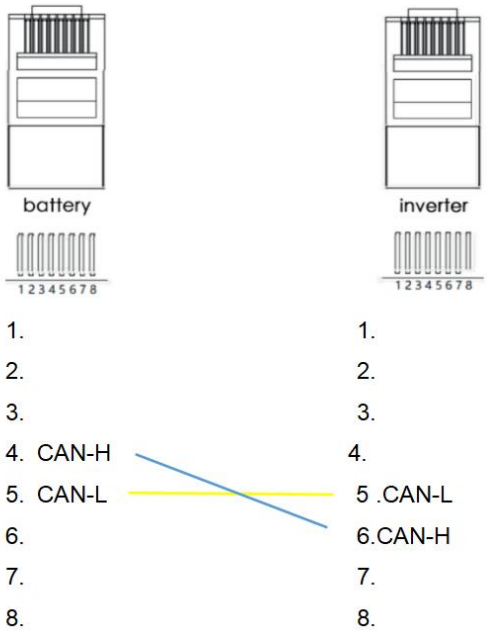
BOM LIST

Before installation, you should prepare following items.

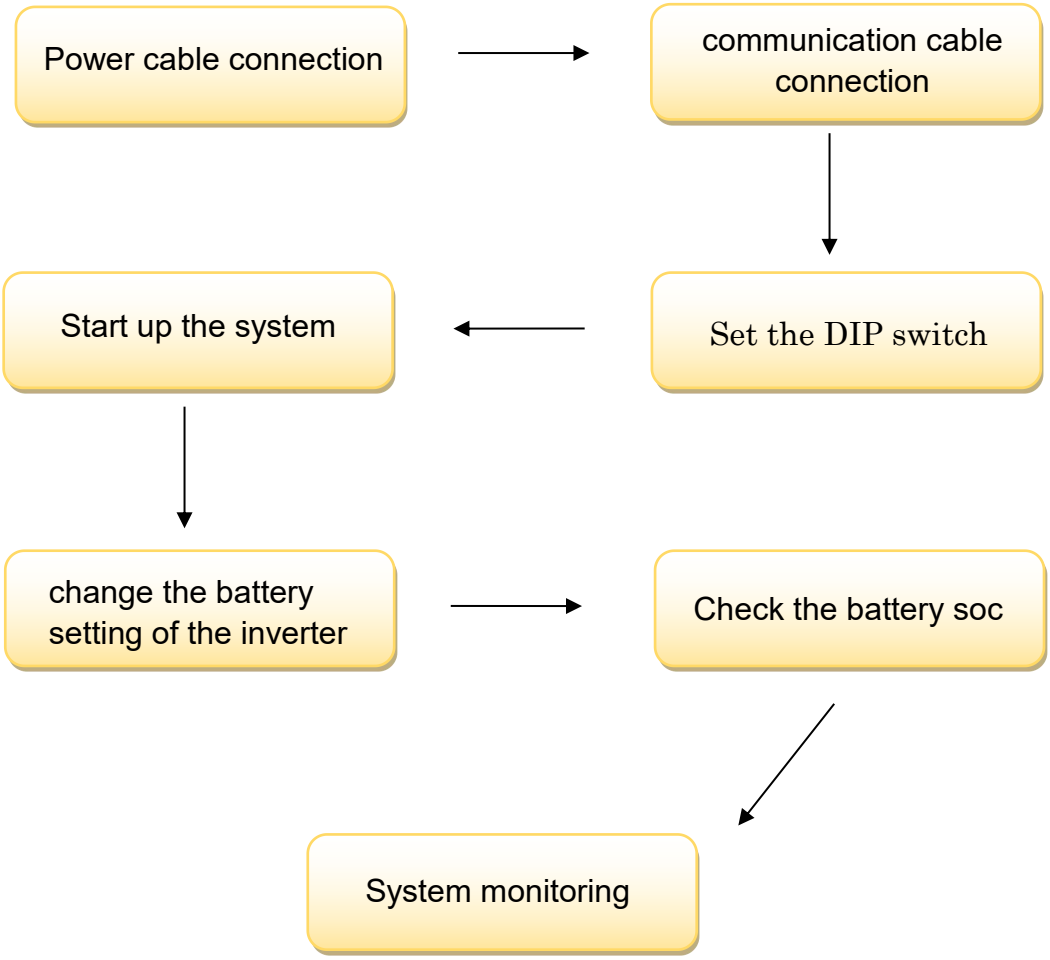
Item	Remarks	Quantity
Power Cable (DC)	☐ Conductor cross-section: 50 mm² to 95 mm² ☐ Cable diameters: 14 mm to 25 mm ☐ Only copper cables may be used. ☐ The DC cables must be sized for the maximum battery voltage and the maximum battery current (see battery manufacturer documentation).	Depends on the number of batteries and the connection method
CAN Cable	CAN communication Terminal (RJ45 port) follow CAN protocol, to output batteries information	1
Battery	48100V series	Depends on the number of batteries and the connection method
Inverter	MUST	1

Definition of RJ45 Port Pin for BMS is as follow.

CAN port definition



HOW TO INSATLL



CAUTION:If you want to get more inverter-related settings, please refer to the inverter user manual first.

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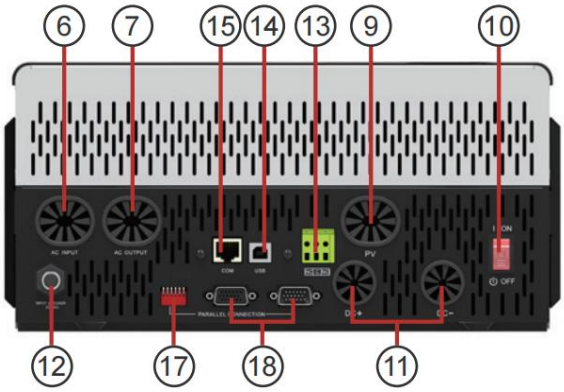
1. Power Cable Connection

Step.1

Open the front housing of the MUST .

Step.2

Connect the red and black cables to the inverter DC connector as shown in Pic 1.1.1



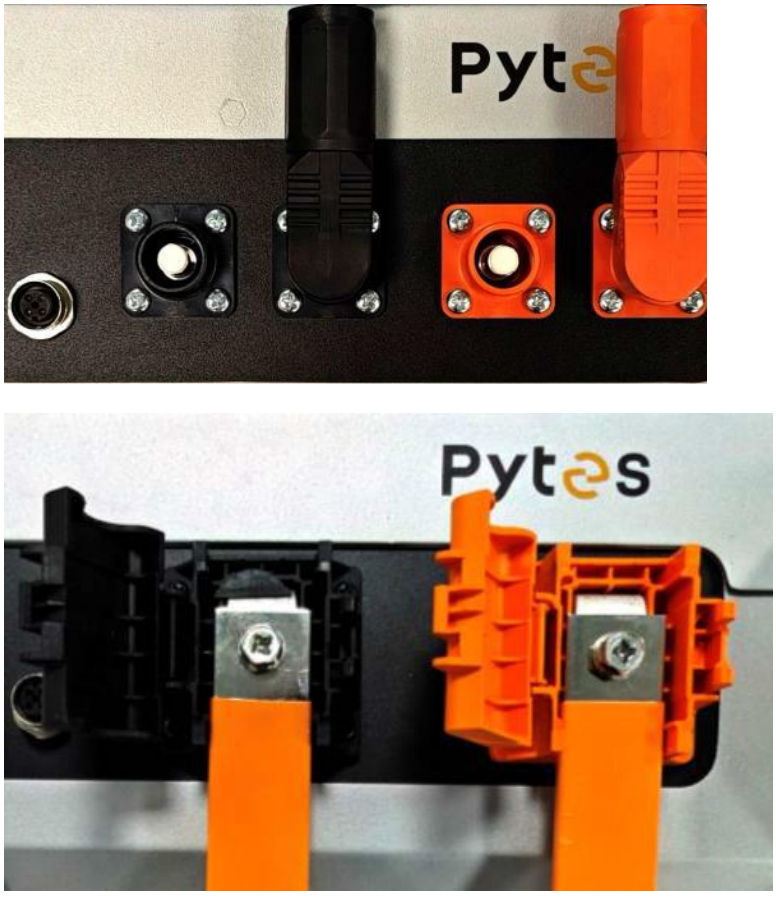
6. AC Input
7. AC Output
8. FAN
9. PV Input
10. Power On/Off Switch
11. Battery Input
12. Circuit breaker
13. Dry Contact
14. USB
15. RS-485 Communication port
16. USB WiFi
17. Parallel switch
18. Parallel communication port

Pic 1.1.1

Step.3

At the other end of the cable, connect to the battery as shown Pic 1.1.2.there are two types of V-series battery, one is with Amphenol

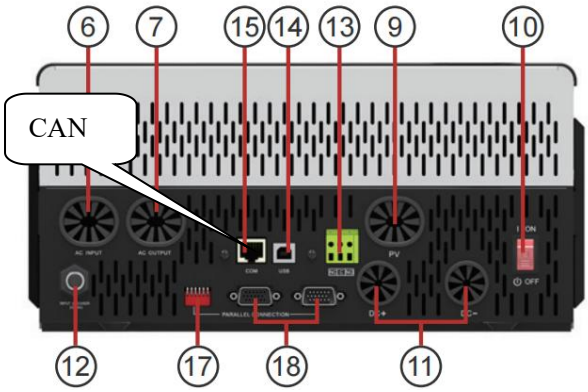
terminals, the other is Phenix terminals.(Ensure that the battery power switch is off)



Pic 1.1.2

2. Communication Cable Connection

Connect the end of the cable to the inverter communication port as shown in pic 1.2.1.



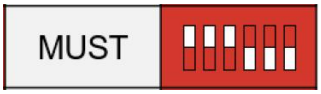
Pic 2.1.1

Connect the other end of the cable to the battery communication port as shown in pic 2.1.1. (Ensure the correct sequence of wires inside the communication cable 4-6,5-5)

Pic 2.1.2

3. Set The DIP Switch

Set the DIP switch as shown in graphic 1



graphic 1

4. Start up the system

Start up the inverters and batteries.

5.Change the battery setting of the inverter

※CAUTION:If you want more details about the batteries settings，

please check the operating manual of inverters.

Step1. For 48100R,14 program should be set to Li.

Pic 5.1.1

Step2.

Turn to the 41 program,you can set it to 0.

Pic 5.2.1

6.Check the battery soc

Step.1 Turn back to home screen. If the battery communicates with the inverter successfully, the Soc will be displayed on the home screen.

Pic 6.1.1

7.System monitoring

※ CAUTION:If you want more details about system monitoring，please check the operating manual of inverters.

Scan QR code for manual

Pic 7.1.1