



Pytes V16 Configuration Guide with MUST

**Pytes Lithium Battery
with MUST 48V Hybrid Series**

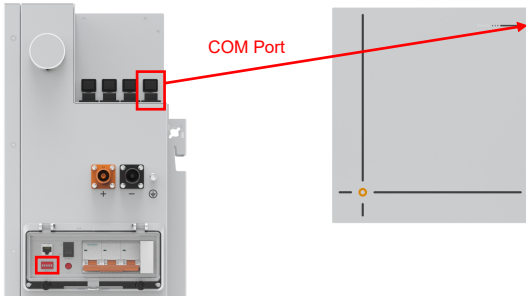


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1. Preparation

Table 1. V16 Battery Port Overview

No.	Battery Model	Product Picture
1	V16	

1.1 Set the DIP Switch

Simply set the DIP switch of the master battery to the corresponding position as shown. The Dip Switch (ADD) location varies for each battery model; please refer to the respective user manual for details.

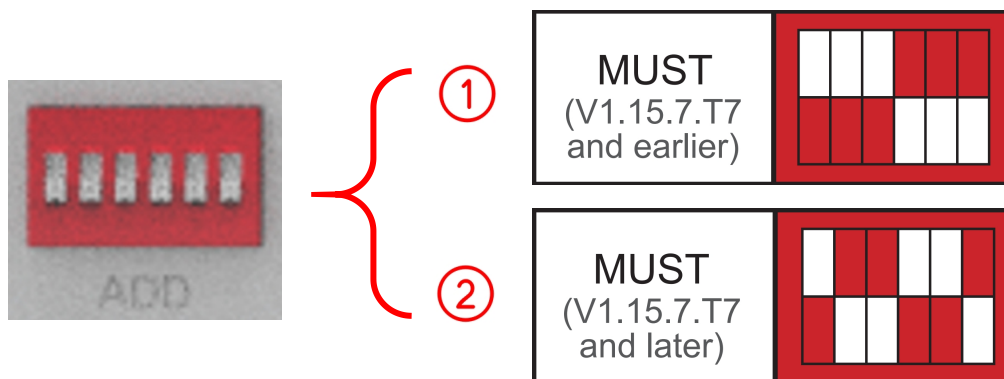


Figure 1. DIP Switch Configuration

Note:

1. The white marks indicate the switch positions.
2. The MUST inverter has two types of DIP switches, as shown in Figure 1. Select the corresponding switch positions according to your inverter firmware version.

1.2 Select the Correct Communication Cable

Select the correct communication cable and the correct pinout of the COM port on the battery according to the Pin Definition List. If the pin definitions of the battery and the inverter align, a standard Ethernet cable can be used. Otherwise, the cable needs to be adjusted.

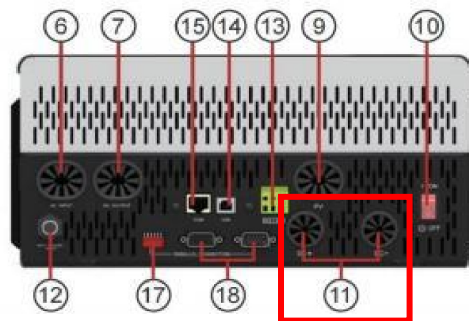
Table 2. Battery / Inverter Pin Definition

Pin Number	Battery Pin Definition	Inverter Pin Definition
1	RS485B	
2	RS485A	
3	GND	
4	CAN-H	
5	CAN-L	CAN-L
6	GND	CAN-H
7	RS485A	
8	RS485B	

2. Power Cable Connection

Step 1. Open the front housing of the MUST inverter.

Step 2. Connect one end of the positive and negative power cables to the inverter's battery input port as shown in Figure 2.



- | | |
|---------------------------|---------------------------------|
| 6. AC Input | 13. Dry Contact |
| 7. AC Output | 14. USB |
| 8. Fan | 15. COM Port |
| 9. PV Input | 16. USB WiFi |
| 10. Power On / Off Switch | 17. Parallel Switch |
| 11. Battery Input | 18. Parallel Communication Port |
| 12. Circuit Breaker | |

Figure 2. Detailed Inverter Ports

Step3. Connect the other end of the cables to the battery (ensure the battery power switch is OFF).

3. Communication Cable Connection

Step 1. Connect one end of the communication cable to the inverter COM port as shown in Figure 3.

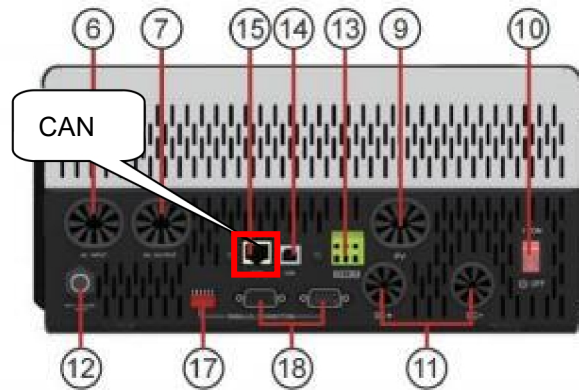


Figure 3. Inverter Communication Port Position

Step 2. Connect the other end of the cable to the battery COM port (refer to pages 2 and 3.).

Note: The communication between the battery and the inverter shall follow the CAN protocol. Ensure the correct wire sequence inside the communication cable: 4-6, 5-5.

4. Start up the System

Start up the inverters and batteries.

Note: Follow user manuals for battery and inverter startups.

5. Configure Inverter Battery Settings

※**CAUTION:** For further details on battery settings, please refer to the inverter operating manual.

Navigate to Program 41 and set its value to 0.



Figure 4. Inverter Program 41 Interface

6. Check the Battery SOC

Return to the home screen. If the battery communicates successfully with the inverter, the SOC will be displayed on the home screen.



Figure 5. Inverter Home Screen

7. System Monitoring

※**CAUTION:** For further details on system monitoring, please refer to the inverter operating manual.

Scan QR code for manual



Figure 6. QR Code for Inverter Operating Manual