

# Inverter Operation Guide

Must-PV 1800 PRO Series



# Contents

01

**Scenario**

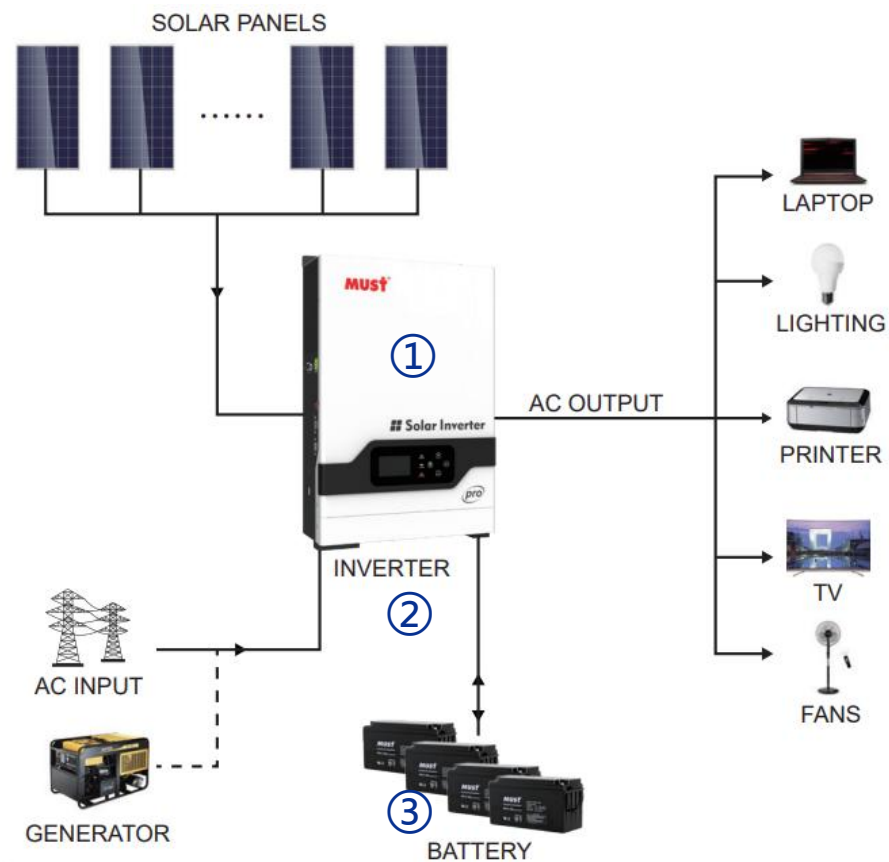
02

**Connection**

03

**Configuration**

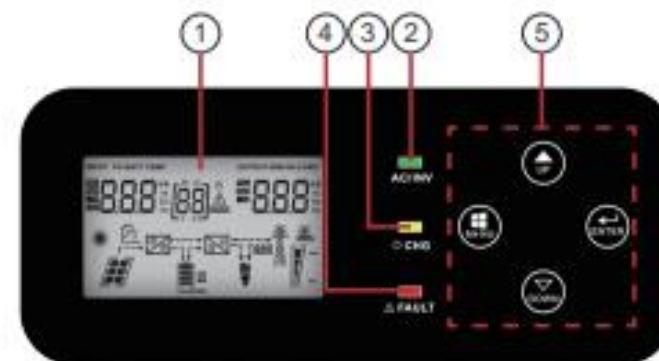
## Simple home storage scenario



### Key elements

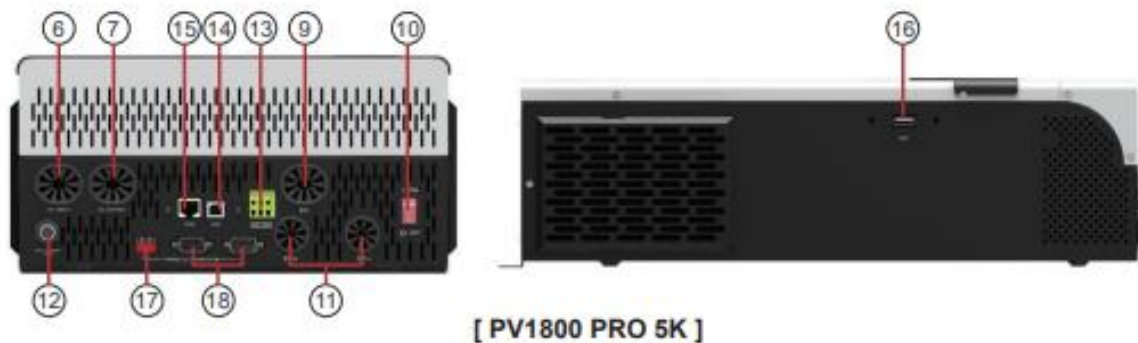
- ① **Inverter** : Must-PV 1800 PRO Series
- ② **Interconnection cable**: Customized communication cable
- ③ **Battery**: The Li-ion Battery Pack composed of 16 strings of cells

## PCS Control Panel



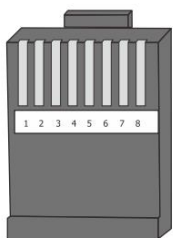
No.	illustrate
1	LCD display
2	Status indicator
3	Charging indicator
4	Fault indicator
5	Function buttons

## PCS Interfaces



- 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(only for parallel model)

## Connection Between PCS and BMS



Inverter pin	Defined declaration
1	RS485-B
2	RS485-A
5	CAN-H
6	CAN-L

PCS Side

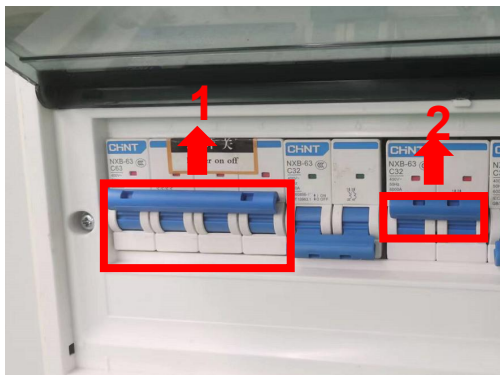


PIN1	<b>RS485-B</b>
PIN2	<b>RS485-A</b>
PIN3	GND
PIN4	<b>CAN-H</b>
PIN5	<b>CAN-L</b>
PIN6	GND
PIN7	RS485-A
PIN8	RS485-B

BMS Side

# Matching Setting of Inverter and BMS-1

Note: Must PV 1800 PRO Inverter Program Version: 2.16.85



- 1. Check system connection conforms
- 2. Turn on the AC power switch

①



Press and hold the "ENTER" key for 3 seconds --> System settings

③



- 1. Turn on the inverter switch
- 2. Turn on the AC input circuit breaker
- 3. After checking that the AC mains is working normally , enter the system settings. (frequency: 50Hz/60Hz, voltage range: 90V ~ 280V (for APL), 170~280V (for UPS)),

2

②



"Option 14 " --> Set "Li " --> Press the "ENTER" key

④

# Matching Setting of Inverter and BMS-2



⑤

"Option 37 " --> Set "SOC " -->Press the "ENTER" key



⑥

"Option 40 " --> Set "UNI " -->Press the "ENTER" key



⑦

"Option 41 " --> Set "08" (Effective after restarting the inverter)-->Press the "ENTER" key-->Return to the main page