

BAT connection for inverter and parallel battery

Parallel battery side

Step 1

Step 2

Step 3

Step 4

Step 5

Disassemble the BAT Connectors

Step 1

Step 2

05

Communication Connection

5.1. AUX / LAN / DRM&RRCR / Meter / RS485 / BMS Connection

Keep the four screws on the COM Cover during disassembling them.

ITEM	No	1	2	3	4	5	6	7	8
BMS	NC	RS 485-A4	NC	CAN1_H	CAN1_L	NC	RS 485_B4	NC	
RS485	12V	DEBUG_RXD_COM	GND	RS 485_B5	RS 485_A5	NC	DEBUG_TXD_COM	NC	
METER	NC	NC	RS485_A7	NC	NC	RS 485_B7	NC	NC	
DRM	DRED 1/5	DRED 2/6	DRED 3/7	DRED 4/8	REF GEN/0	COM LOAD/0	NC	NC	
RRCR	K1	K2	K3	K4	3.3V	NC			
AUX 1	DO1_NO	DO1_COM	DO1_NC	DI_negative	DI_positive	GND			
AUX 2	DO2_NO	DO2_COM	DO2_NC	DI_negative	DI_positive	GND			

RJ45 Plug

R J45 Plug

Cable cross section:
0.5 ~ 1.3 mm²
Stripping Length: 10 ~ 12 mm

AUX

5.2. Wiring the Communication Cables Between Inverter and Battery (BMS)

Battery side

Inverter side

Inverter side

06

Mount the Wi-Fi Module

Align gaps

07

Mount the covers of the Inverter (Installed on the Battery)

7.1. Mount the Top Cover

Step 1

Step 2

Step 3

Step 4

7.2. Mount the Right Cover

Step 1

Step 2

7.3. Connect the Grid&Backup Connector and Mount the Cable Cover

Step 1

Step 2

08

Commissioning

WARNING
Never power on without the correct and reliable installation and electrical connection.

Follow the commissioning steps in COMMISSIONING GUIDE AND REPORT to download APP and it also include steps to download APP and register account, power on the product, configure Wi-Fi module, set system parameter and operate the system.

After completing the commissioning, please submit the commissioning report.

09

Power ON / OFF the Energy Storage System Procedure

10.1. Procedure for Powering On the System

- 1) Switch on the PV switch (if there is any) on the left side of the inverter.
- 2) Switch on the battery breakers of all batteries.
- 3) Shortly press the battery power buttons. For more than one parallel battery installed, please shortly press all power buttons within 10 seconds. (For series batteries, please skip this step)
- 4) Switch on the AC breaker between the grid port of the inverter and the grid.
- 5) Switch on the AC breaker between the backup port of the inverter and the loads.
- 6) Switch on the AC breaker (if there is any) between the PV-inverter and the grid.

10.2. Procedure for Powering Off the System

- 1) Switch off the AC breaker between the inverter and the loads.
- 2) Switch off the PV switch (if there is any) on the left side of the inverter.
- 3) Switch off the PV switch between the PV string and the inverter if there is any.
- 4) Long press the power button of each battery for 6 seconds. (For series batteries, please skip this step)
- 5) Switch off the battery breakers of all batteries.
- 6) Switch off the AC breaker between the inverter and the grid.

Please refer to the commissioning guide to commission this energy storage system!