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GoodWe & PylonTech Force Battery Connection

ET/EH/BT/BH Series + Pylontech Force H1 & H2



Ver. 1.0

Updated on Sep 10th, 2020

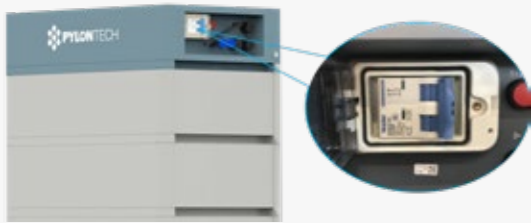
www.goodwe.com

This is an instruction for quick installation of GoodWe HV series energy storage inverters (**ARM version 14 or higher**) and Pylontech Force H1 or H2 battery. For details of the connection or commissioning, please go to user manual of the inverter and the battery if you cannot find it in this instruction. Here we take GoodWe ET inverter and Pylontech Force H2 battery as an example for connection and commissioning.

Precautions

A

Make sure battery and inverter are not damaged and battery breaker is turned off before making any further move



B

Get ready of the battery cable in the components box with Force H2 battery, and the connector sets in battery components box

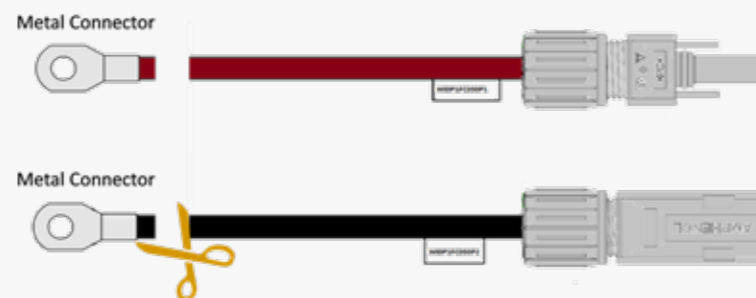


Power Cable Wiring

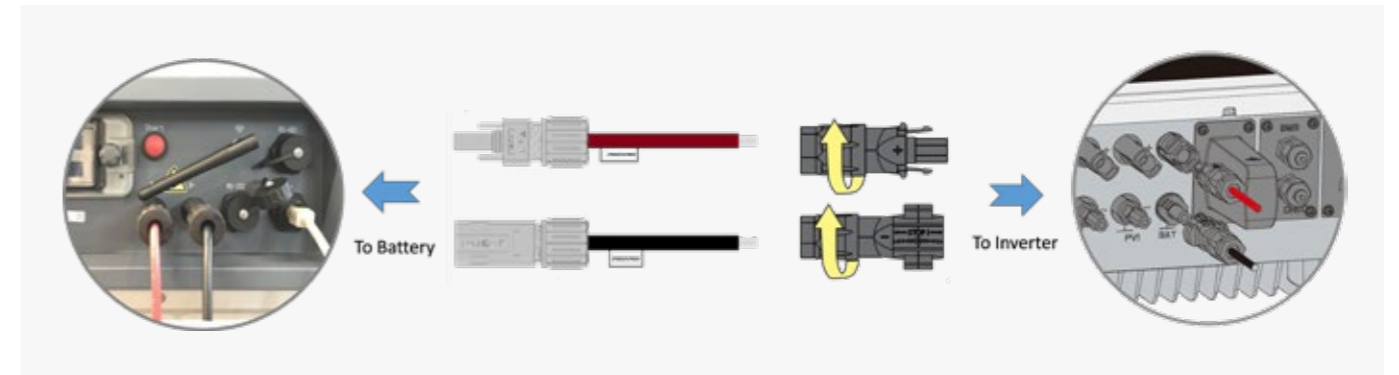
Step 1: Make Battery cable

A. Use the power cable in battery components box. Cut the metal connectors from the cable and connect to the Phoenix connector in inverter components box.

Note: If you want replace the cable by your own, make sure the power cable dimension selected is 4~6mm²



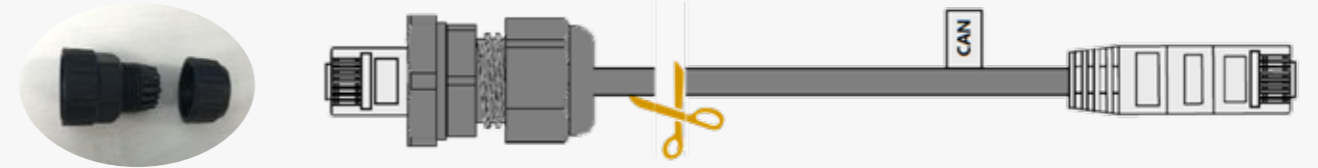
Step 2: Connect the ready cable to inverter and battery



Communication Cable Wiring

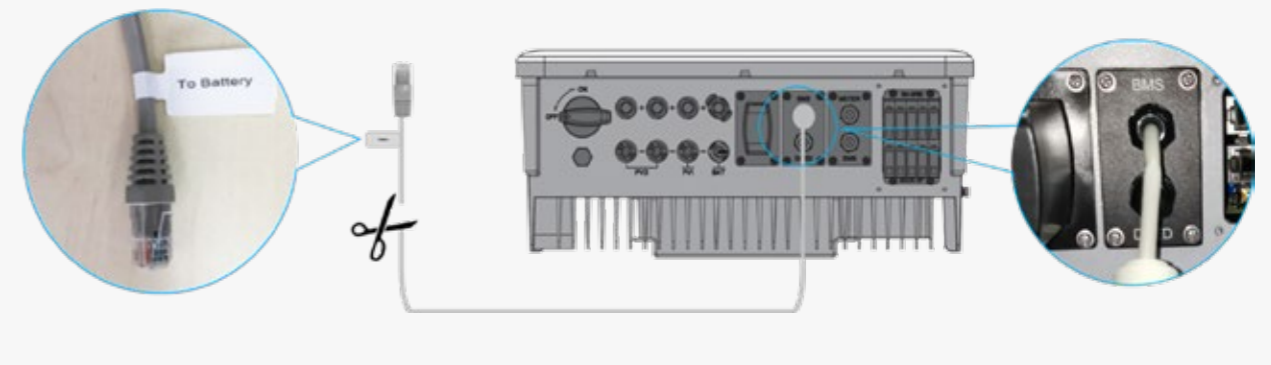
Step 1: Make cables

A. Cut the CAN/RS485 cable attached in battery components bag, take out the gland to use later.

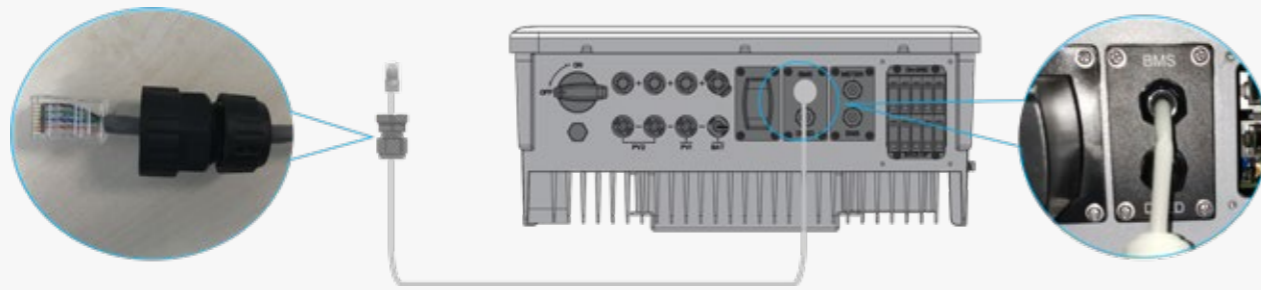


B. Cut off the RJ45 connector on the "To Battery" Cable attached on inverter.

Note: please note that you should leave enough cable length leading to battery.



C. Put the rest of "To Battery" cable through the gland and then make a new RJ45 connector.

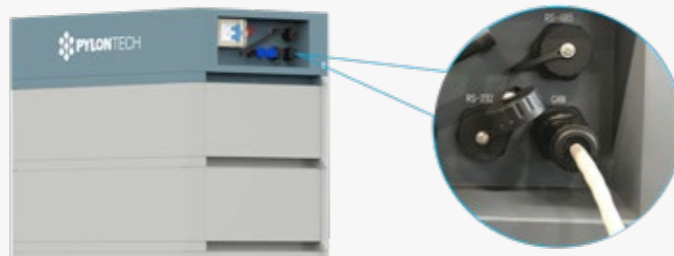


Note: please follow the pin sequence of the initial RJ45 connector or as below



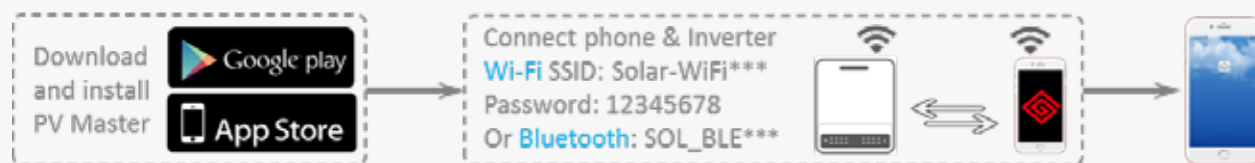
Position	Color	BMS Function
1	Orange&white	485_A2
2	Orange	NC
3	Green&white	485_B2
4	Blue	CAN_H
5	Blue&white	CAN_L
6	Green	NC
7	Brown&white	NC
8	Brown	NC

D. Connect the new RJ45 cable to battery "CAN" port. And fasten the gland for water-proof.

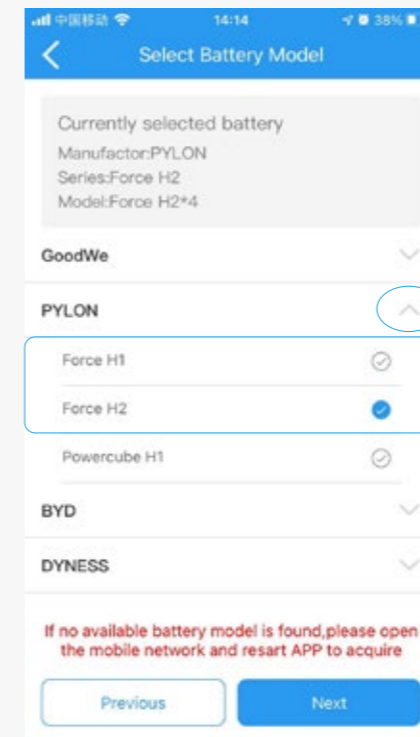


Inverter Commissioning

A. Download and install PV Master on your smart phone and connect inverter via wireless



B. Select the right battery model in PV Master → Basic Setting



Click here to see all the compatible batteries with inverters

Note:

1. For detailed commissioning of the system on GoodWe storage inverter, please follow GoodWe PV Master User Manual.
2. Wrong commissioning will cause BMS communication failure.

After the wiring and commissioning is completed, start battery and inverter up.