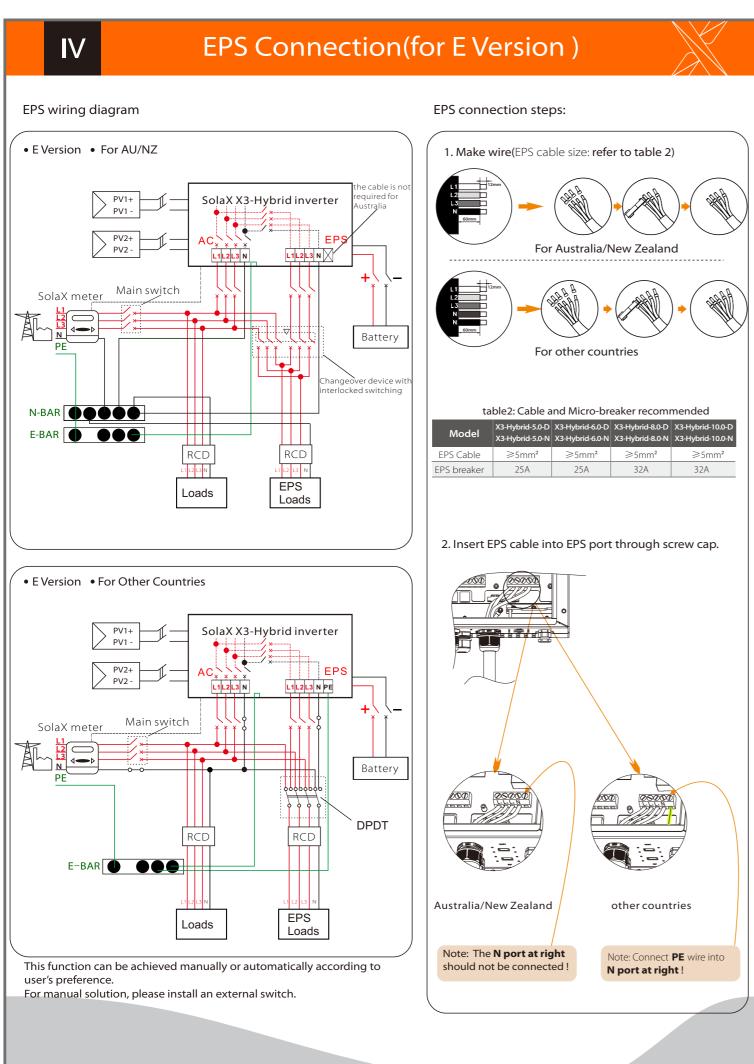
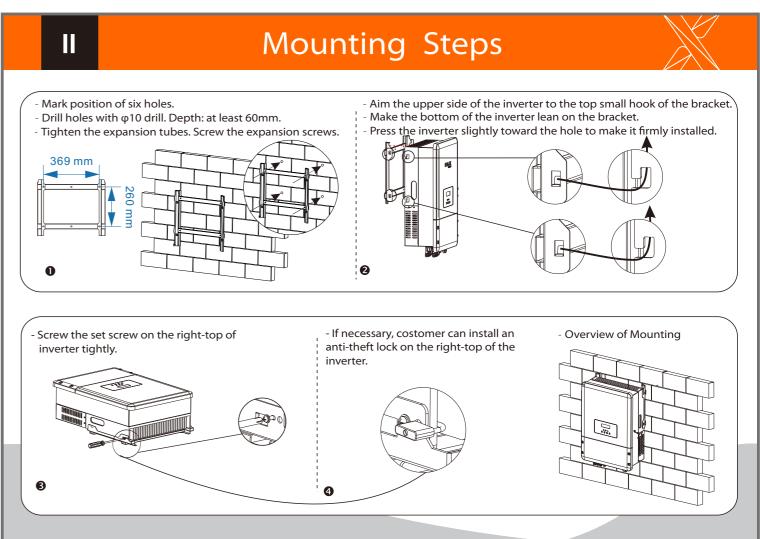


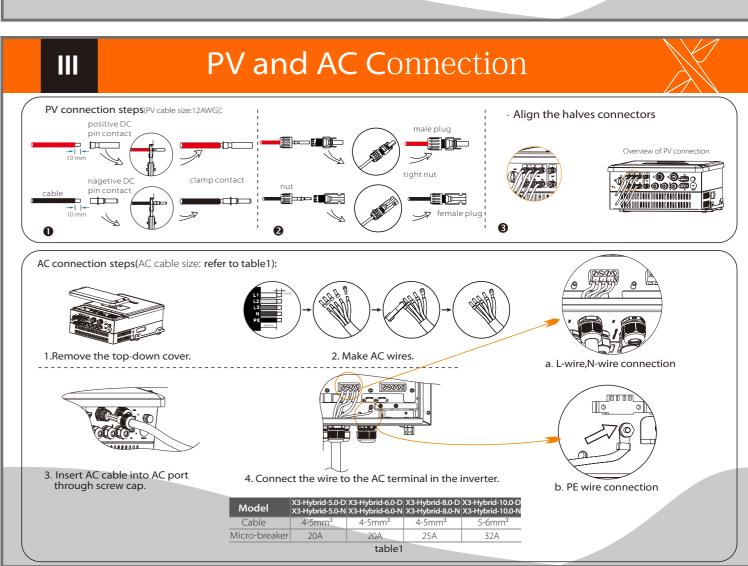
Quick Installation Guide

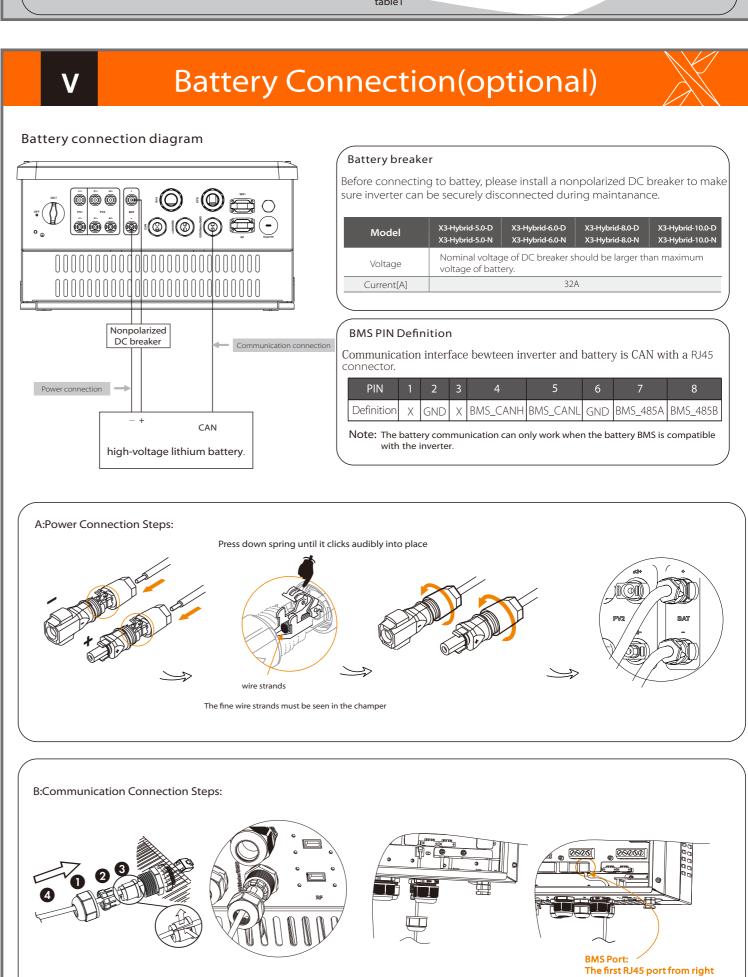
X3-Hybrid 5kW-10kW











Step3:Assemble the cable gland and

screw the cable nut.

Step4: Insert one RJ45 side of the cable into

into RS485 or Can port of the battery.

BMS port inside of inverter and the other side

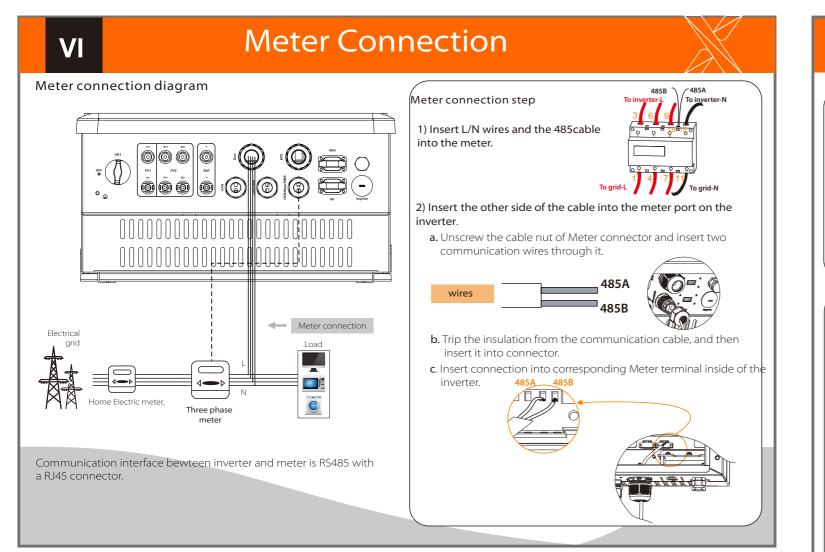
Step1: Disassemble the GEN/Meter

/BMS cable gland.

Step2: Prepare a communication

cable(without sheath)and insert

the communication cable through



Firmware Upgrading

Please prepare an U-disk. Warning! Make sure the PV input power is more than 180V (operate the upgrade on a sunny day), otherwise it may result in serious failing during upgrading.

I) Please contact our service support to get the update files, and extract it into your U-disk as following (Don't modify the file name): "update\ARM\618.00098.00_Hybrid_X3G3_Manager_VX.XX_XX-XX.usb";

Please ensure the inverter is steadily powered on. Inverter must connect PV panels and keep the battery on through whole procedure of upgrading.

2) Turn off the DC switch ,AC breaker and EPS breaker. Then unscrew the waterproof lid and insert U-disk into the "upgrade" as below.



=====: Update =====: ====: Update(DSP) ==== >ARM Updating-----25%

4) After the upgrade is finished, please remember to turn off the DC switch and battery, then plug off the U-disk, and screw the waterproof lid. After each upgrade, inverter is in "off mode". Please switch the system switch to "ON".

Start Guide

1.Set language English Deutsch Italian

2.Set date time Date time 2017 ->06 <-06 10:19



4.Set export control

Export Control User value: 4000W

This function allows the inverter able to control energy exported to the grid. There are user value and factory value. The factory value is default which can not be charged by user. The user value setting by installer must be less than the factory value.

There are 4 work modes for choice. Self use/ Back up mode/ Feed in Priority/ Force Time Use 5.Set work mode Comment The PV generated power will be used to supply the local loads firstly, then to charge the battery. The redundant power will Self Use export to the public grid. (default) When there is no PV supplied, battery will discharge for local loads firstly, and grid will supply power when the battery capacity is not enough. Work Mode Battery will stop discharing to keep higher capacity when the grid is on. Only when the gird is off and PV energy is not Mode Select enough, battery will start to discharge to keep the emergency self use Back Up Mode load working normally. This work mode applies to the area where suffering from blackout regularly. The priority of inverter output power is: supplying the load \rightarrow feeding to the grid \rightarrow charging the Feed in Priority This work mode applies to the area with high feed-in tariff. In this work mode the charging and discharging time can be set flexibly, and it also allows to select whether charge from the grid Force Time Use

6.Set EPS system(For E Version only)

EPS system > Mute: 50Hz Frequency:

- X3-Hyrbid inverter with E Version can work on the EPS mode. EPS parameters can be set as below.
- "Mute" means you can set the warning of system which has entered EPS mode.
- "No" means there will be a buzzing and it is the default value. - "Yes"means you choose to shut down the warning function.

Besides, if the buzzing is sharp, it means EPS output is over loads." Frequency "here can be set 50Hz or 60Hz please based on correlative loads.

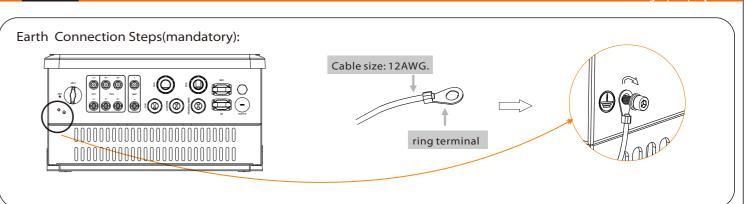
7.Set relay control (The function is being developed)

Relay Control >Relay1 Setting >Relay2 Setting

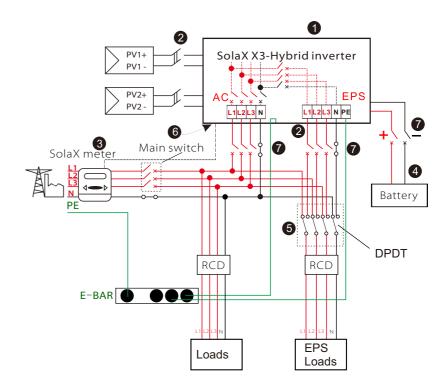
Relay Control is an optional function which can control designated load intelligently by consuming the surplus energy when feed in power reaches certain value.

This function can only be achieved with solax product "Smart Plug". For specific operation, please refer to "Smart Plug user manual".

VII Earth Connection&Start Inverter



Start inverter



- Check the inverter is fixed well on the wall.
- 2 Make sure all the DC wirings and AC wirings are completed.
- **3** Make sure the meter is connected well.
- 4 Make sure the battery is connected well.
- **6** Make sure the external EPS contactor is connected well. (if needed)
- **6** Turn on the DC switch at the bottom of the inverter to "ON" position.
- 7 Turn on the external DC and external AC switch.

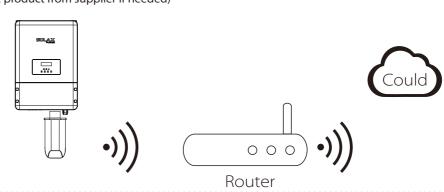
Inverter will start up automatically when the PV panels generate enough energy or the battery is dicharging.

Check the status of indicators and LCD screen. The left indicator should be blue and the indicator screen should display the main interface.

Monitoring Operation

Solax provides two ways for users to choose: Wifi(optinal) and Ethernet(LAN) Wifi(optinal)

Inverter provides a Wifi port which can collect data from inverter and transmit it to monitoring-website via a Pocket WiFi. (Purchase the product from supplier if needed) Diagram

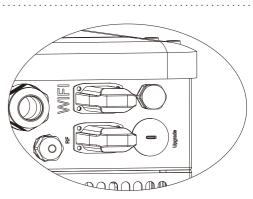


WiFi Connection Steps:

Step 1. Plug Pocket Wifi into "WiFi" port at the bottom of the inverter.

Step2. Build the connection between the inverter and router.

Step3. Create an user account online.(Please check the Pocket WiFi user manual for more details.)



Ethernet(LAN)

LAN communication is the standard communication interface. It can transmit the data between the router and inverter via the I

LAN PIN Definition

Application Occasion This function is appliable for the below situation:

When the wifi signal is too weak to transmit data, user can use LAN port for the monitoring with a data cable. Note: The wifi module still needs to be connected when using LAN connection.



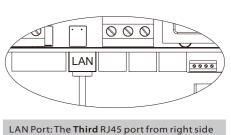
Communication interface bewteen inverter and router is RS485 with a RJ45 connector.



LAN Connection Steps:

Please refer to BMS connection steps (for user manual page32) for LAN connection. Please kindly noted the PIN definition and port position w be slightly different.





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