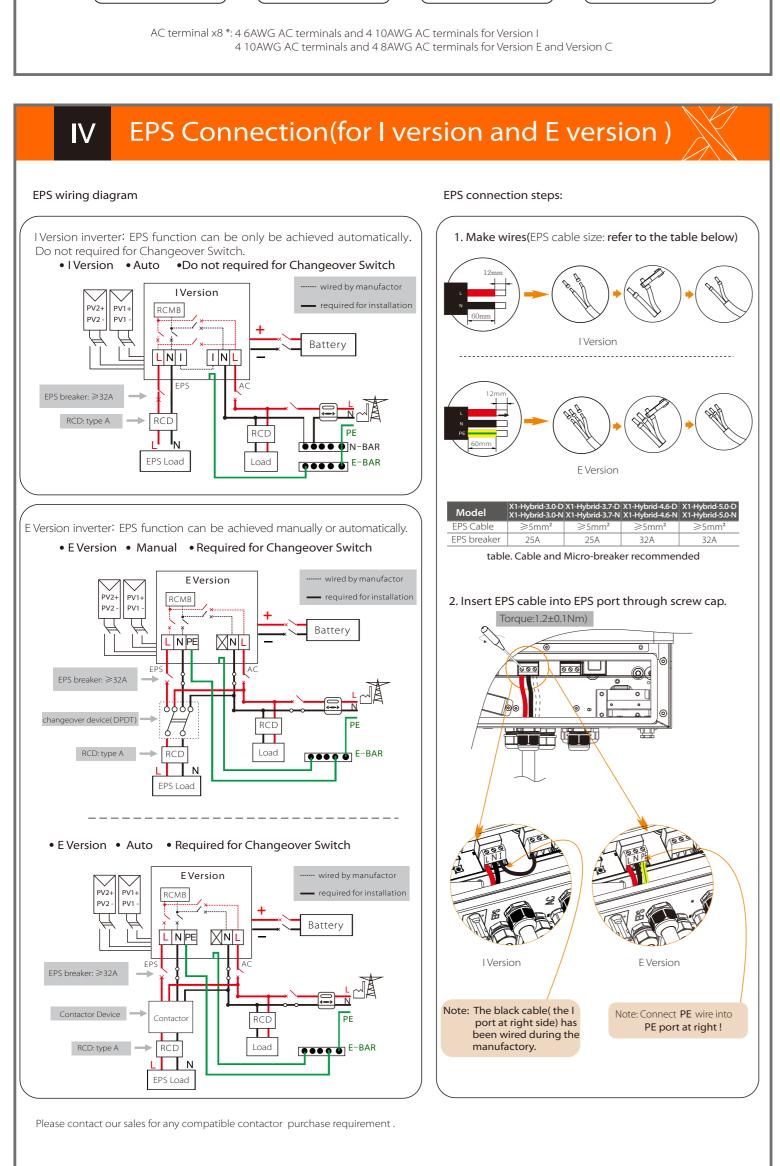
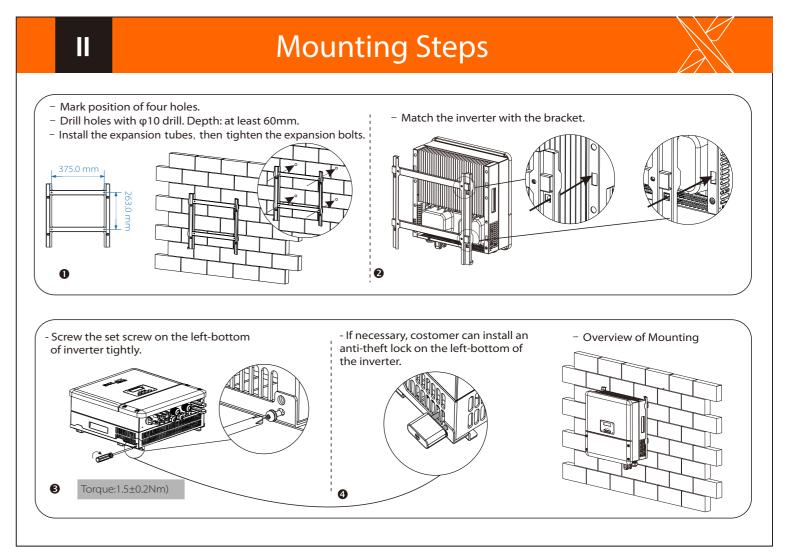


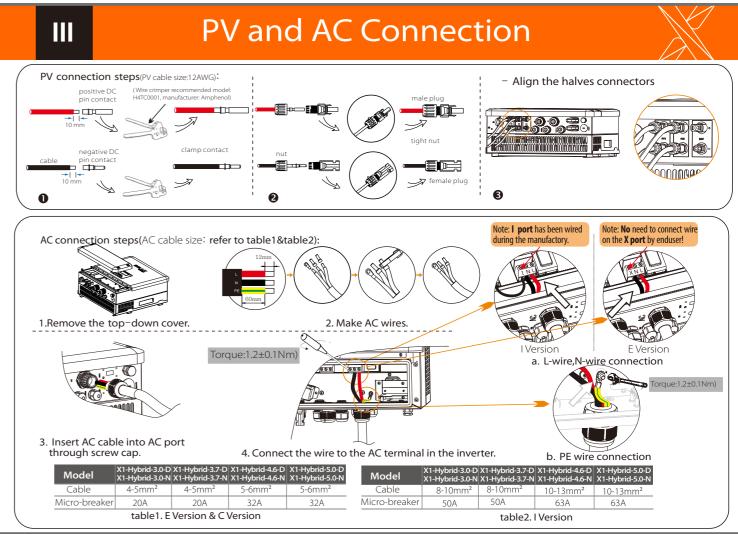
Quick Installation Guide

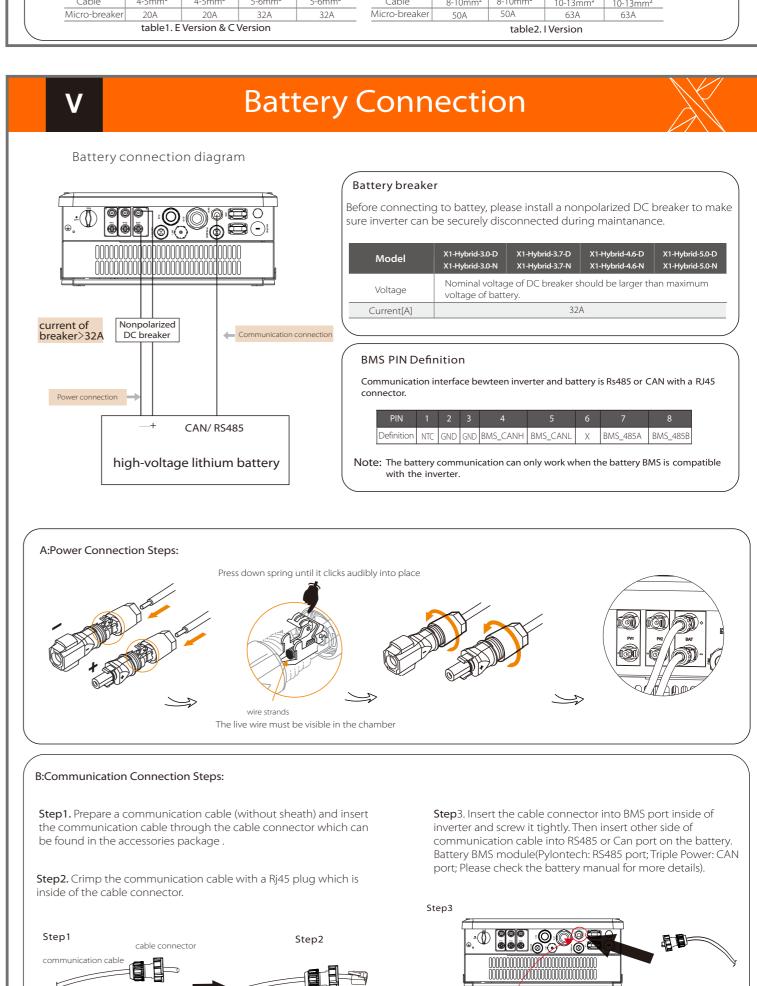
X1-Hybrid 3KW-5KW

Packing List DC connectors (positive x2, negative x2) Expansion screw x 4 Version E&C (positive x1, negative x1) DC pin connectors Grounding nut x1 Ring terminal (internal) x2 et screw(for mounting) x (positive x2, negative x2) AC terminal x8 * Gasket x1 User manual x1 8 pin positive Warranty card x1 uick installation guide x Wifi module(optional) x1 terminal x1 connector x2

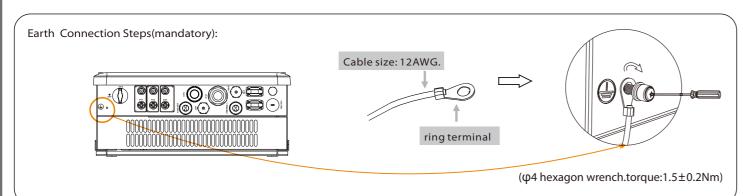




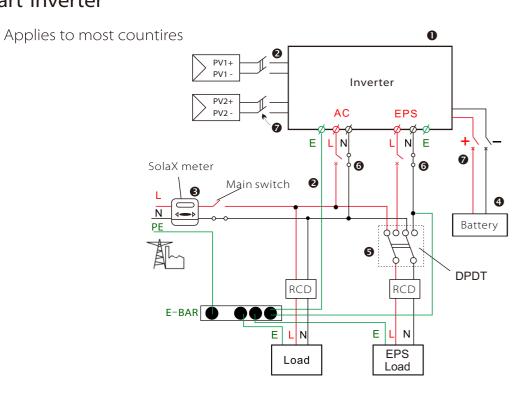




Earth Connection&Start Inverter



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 AC switch and EPS switch.
- **7** Turn on the PV/DC switch and battery switch.
- 8 Long-press the "Enter" key for five seconds to exit Off Mode. (The mode is Off Mode when you use it for the first time; factory default: Off Mode)

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.

1.Set language 2.Set date time

English Deutsch Italian 2017 ->06 <-06 10:19

Work Mode

>Mode Select

self use

3.Set the safety standard Country

Self Use

>VDE0126

Export Control

Start Guide

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 set by installer must be less than the factory

5.Set work mode

VII

There are 4 work modes for choice. Self use/ Back Up Mode/ Feed in Priority/ Force Time Use All these work modes is available for on-grid condition only

10000W

Use Value

first, then to charge the battery. The redundant power will export to the public arid When there is no PV supplied, battery will discharge for local loads first, and grid will supply power when the battery capacity

The PV generated power will be used to supply the local loads

is not enough The priority of inverter output power is: supplying the load→ charging the battery → feeding to the grid

Battery will stop discharging to keep higher capacity when the grid is on, when the power generated by PV is not enough, the battery will discharge to supply the local loads too. And if still not enough, the grid will power the local loads together. This work mode applies to the area where suffering from blackout regularly.

The priority of inverter output power is: Feed in Priority feeding to the grid \rightarrow supplying the load \rightarrow charging the 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 choose whether charge from the grid or not. Other time it follows the priority of Self Use mode.

Firmware Upgrading

VIII

Please ensure the inverter is steadily powered on.

Inverter must connect PV panels and keep the battery on through whole procedure of upgrading.

Please prepare a PC and an U-disk.

Make sure the PV input power is more than 150V (operate the upgrade on a sunny day), otherwise it may result in serious failing during upgrading. If the upgrading is broken off during operation, Please make sure the size of U-disk is under 32G, and the format is fat 16 or fat 32.

Upgrading Steps:

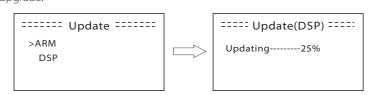
Step 1. Please contact our service support to get the update files, and extract it into your U-disk as follow:

"update\ARM\618.00050.00_Hybrid_X1G3_Manager_VX.XX_XX-XX.usb";

"update\DSP\618.00084.00_Hybrid_X1G3_Master_VX.XX_XXXXXXXX";

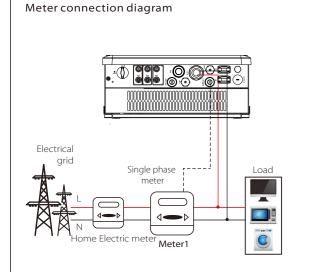
(Note: Vx.xx is version number, xxxxxxxx is file complation date. Don't modify the program file name, or it may cause that the inverter can't work any Step 2. Press the "Enter" key for 5 seconds to enter Off Mode. Then unscrew the waterproof lid and insert U-disk into the "upgrade" port

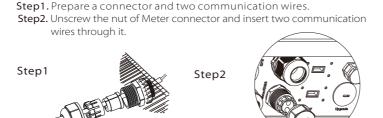
Step3. The LCD will be shown as the picture below. Then press up and down to select the one that you want to upgrade and press "OK" to confirm to upgrade.



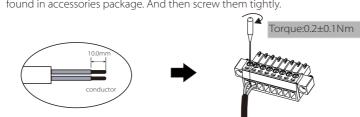
Step4. After the upgrade is finished, the LCD will display "succeed" (only for DSP upgrades), please remember to pull off the U-disk, screw the waterproof lid and press the "Esc" to return to the Main interface. Then press the "Enter" key to exit Off Mode.

Meter / CT Connection



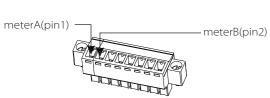


Step3. Trip the insulation from the communication wires, then insert one side of wires into pin1 and pin 2 holes of the 8 pin positive terminal which can be found in accessories package. And then screw them tightly.

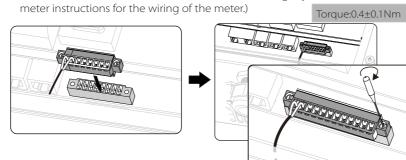


Meter PIN Definition

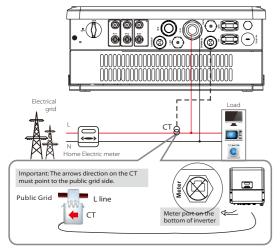
Connect the RS485 line from meter with a Rj45 connector and finish the configuration, then plug this RJ45 connector to the "Meter" port of the inverter. Note:Please make sure meterA and meterB is connected to port RS485A and RS485B on the meter.



Step4. Insert the positive terminal into the corresponding negative terminal block inside of the inverter. And then screw it tightly.(Please refer to the

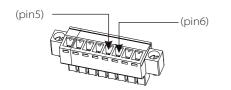


CT connection diagram



CT PIN Definition

The CT PIN definition is pin5 and pin6 shown as below.



CT structural decomposition communication line

Step1. Insert the side with two comm cables of CT into the Meter port on the inverter, and screw down the screw cap tightly (refer to meter steps).

Step2. Trip the insulation from the communication wires, then insert one side of wires into pin5 and pin 6 holes of the 8 pin positive terminal which can be found in accessories package. And then screw them tightly. (refer to meter steps)

Step3. Insert the positive terminal into the corresponding negative terminal block inside of the inverter. And then screw it tightly. (refer to meter steps)

Step4. Clip the CT clamp on L line from the home main meter box side. Make sure the current sensor is installed in the right direction: The arrow on the current sensor must point to the public grid. (Please refer to the meter instructions for the wiring of the meter.)

L line from the home main meter box side. public grid side inverter side CT clamp arrow point to the public grid

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

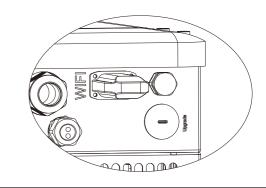


WiFi Connection Steps:

Step1. 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.)

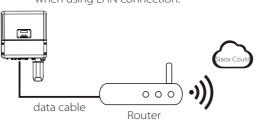


Ethernet(LAN)

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

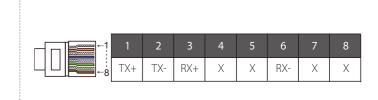
Application Occasion

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.



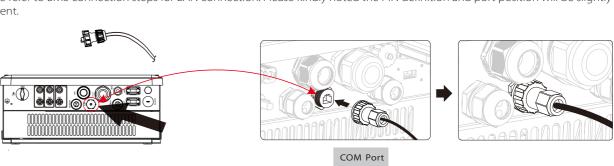
LAN PIN Definition

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



LAN Connection Steps:

Please refer to BMS connection steps for LAN connection. Please kindly noted the PIN definition and port position will be slightly



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