

V









Earth Connection&Start Inverter VI



Start inverter

IX



- Check the inverter is fixed well on the wall.
- 2 Make sure all the DC wirings and AC wirings are completed.
- **B** Make sure the meter is connected well.
- A Make sure the battery is connected well.
- S Make sure the external EPS contactor is connected well. (if needed)
- **6** Turn on the AC switch and EPS switch.
- 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.

Start Guide VII This function allows the inverter able to 1. Set language 2. Set date time 3. Set the safety standard 4. Set export contro control energy exported to the grid. Safet Export Control Langu Date time There are user value and factory value. The English Deutsch Italian factory value is default which can not be Country Use Value: 2017 ->06 <-06 changed by user. The user value set by >VDE0126 10:19 10000W 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 All these work modes is available for on-grid condition only Parameter Comment 5.Set work mode The PV generated power will be used to supply the local loads first, then to charge the battery. The redundant power will export Self Use to the public grid (default) When there is no PV supplied, battery will discharge for local loads first, and grid will supply power when the battery capacity is not enough Work Mode The priority of inverter output power is: supplying the load \rightarrow charging the battery \rightarrow feeding to the grid >Mode Select self use 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 Back Up Mode 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 battery. This work mode applies to the area with high feed-in tariff. In this work mode the charging and discharging time can be set

VIII

Firmware Upgrading

Preparation

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.

Force Time Use



X

Make sure the PV input power is more than 150 V (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.

flexibly, and it also allows to choose whether charge from the

grid or not. Other time it follows the priority of Self Use mode.

Upgrading Steps:

- Step1. Please contact our service support to get the update file, and extract it into your U-disk as follow: "update\ARM\618.00086.01_Hybrid_X1G3_Manager_VX.XX_XX-XX.usb";
- "update\DSP\618.00084.01_Hybrid_X1G3_Master_VX.XX_XXXXX.hex";

(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!) Step2. Press the "Enter" key for 5 seconds to enter Off Mode. Then unscrew the waterproof lid and insert U-disk into the "upgrade" port at the bottom of the inverter.

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

Monitoring Operation



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



arrow point to the public grid

Inverter provides a WiFi port which can collect data from inverter and transmit it to monitoring-website via a Pocket WiFi.



Step1. Plug Pocket Wifi into "WiFi" port at the bottom of the inverter.

Step3. Create an user account online. (Please check the Pocket WiFi user

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

LAN PIN Definition

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

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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