

Quick Installation Guide

X3-Hybrid 5.0KW-15.0KW





PV Connection

*The PV port wiring of X3-Hybrid G4 M series inverter has been completed. For specific installation details, please refer to the X3-Matebox Quick Installation Guide, the D series needs to be wired according to the following steps.

Diagram A: N line and PE line separate wiring, D series inverter; (For most countries)

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Diagram B: N line and PE line separate wiring, M series inverter; (For most countries)

Grid

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Grid

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Grid and Off-grid Connection





Start Inverter

Start inverter

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> After the inverter is checked, the inverter will take the following steps:

Applies to most countires



- Make sure that the inverter is fixed on the wall.
- e Ensure that all ground wires are grounded.
- Onfirm that all DC lines and AC lines are connected.
- Make sure the CT are connected.
- Make sure the battery is well connected.
- Turn on the Load switch and Off-grid switch
- Turn on thebattery switch.

Long press Enter for 5 seconds to exit the shutdown mode. Mode is the mode when it is turned off for the first time; factory default: off mode)

	Backup	③ Without PV power Active Charging time period :The grid will power the home loads and also charge the battery. (PV=0, Grid → Load + Battery) Active Discharge time period :The battery will power the home loads firstly. If the battery power is not enough, the remaining power will be taken from the grid. The inverter will enter into the standby state.(PV=0, Battery+Grid → Loa Battery min SOC can be set:10%-100%. The back-up mode is suitable for areas with frequent power outages. Same working logic with "Self-use" mode. This mode will maintain the battery capacity at a relatively high level.(Users' setting) to ensure that the emergency loads	
ort Control	mode	can be used when the grid is off. Customers no need to worry about the battery capacity. Battery min SOC can be set:30%-100%.Backup mode SOC adjustment range :30%-100%; In Backup mode, SOC-min under off-grid condition is 10%, which cannot be modified.	
tion allows the inverter able to control xported to the grid. e user value and factory value. The factory efault which can not be charged by user. The e set by installer must be less than the factory	Off-grid	The off-grid mode is used when the power grid is off. System will provides emergency power through PV and b to supply power to the household loads. (Battery is necessary) (1) When the power of PV is sufficient PV will power the loads firstly, and surplus power will charge to the battery. (PV Load, PV Load Battery) (2) When the power of PV is insufficient The remaining power will be taken from the battery. (PV Load, PV+battery Load Battery) (3) Without PV power	

Upgrade

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Firmware Upgrading

-In order to upgrade the firmware smoothly, if the DSP and ARM firmware needs to be upgraded, please note that ARM firmware must be upgraded first, then DSP firmware!

-Make sure that this directory is completely consistent with the above table, do not modify the firmware file name, Otherwise, the inverter may not work

-For X3-Hybrid G4, ensure that the PV input voltage is greater than 180V (upgrade on sunny days). please ensure that the battery SOC is greater than 20% or the battery input voltage is greater than 180V. Otherwise, it may cause serious failure during the upgrade process!

-If the ARM firmware upgrade fails or stops, please do not unplug the U disk and power off the inverter and restart it. Then repeat the upgrade steps.

Upgrade preparation

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1) Please check the inverter version and prepare a U disk (USB 2.0) and personal computer before upgrading.

2) Please contact our service support through service@solaxpower. com to obtain the firmware, and store the firmware in the U disk according to the following path.

Update:

For ARM file: "update \ARM\618.00406.00_Hybrid_X3G4_ARM_V1.01.0710.usb"; For DSP file:"update\DSP\618.00405.00_Hybrid_X3G4_DSP_V1.01.0710.usb";

Upgrade steps

Step 1. Please save the "Upate" firmware in your U disk first, and press the "Enter" button on the machine screen for 5 seconds to enter the shutdown mode. Then unscrew the waterproof cover, insert the U disk into the "upgrade" port at the bottom of the inverter.

Step 2. Locate the "update" port of the inverter, use a flat-blade screwdriver or coin with the same width to remove the waterproof cover, and insert the U disk



Step 3. LCD operation, enter the upgrade interface "update", as shown below(a): Please press the up and down keys to select ARM, then press the bottom of the page to select "OK", press the enter key to enter the software version interface;



Step 4. Please confirm the new firmware version again and select the firmware to upgrade. The upgrade takes about 20 seconds. (d) When it is completed, the LCD screen returns to the "Update" page.

=== Update Selection ==== ARM >DSP	=== Update DSP File === >618.00405.00_Hybrid_ X3G4_DSP_V1.01_07 10.hex	connect	===Update(DSP) === DSP Erasing	==== Update(DSP) ==== Upgrading25%	=== Update(DSP) === Upgrade Successful
(f)	(g)	(h)	(i)	(j)	(k)

Note: The RCD on the figure represents a leakage protection device with a circuit breaker function.