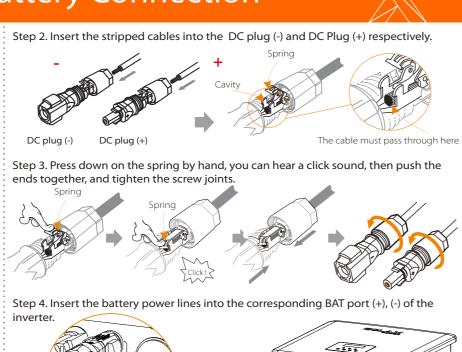


BAT plug (+)



Note!

Note: BAT port, not PV port!

Note: The positive and negative wires of the battery are not allowed to be

After the BMS communication between the battery

and the inverter is finished, the battery will work

accessory bag.

10AWG Grid(five-core wire)

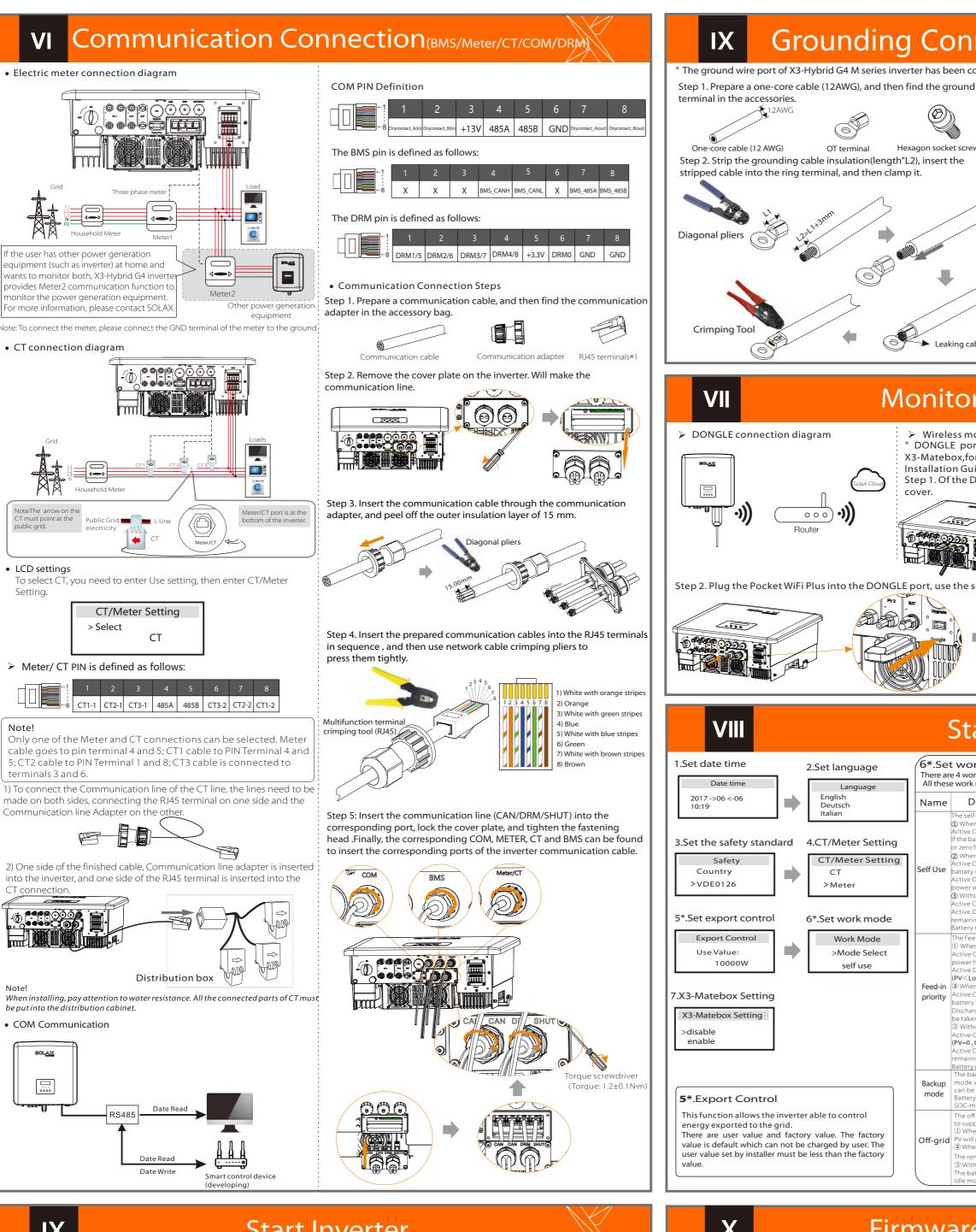
Grid Cable and Micro-breaker recommended Off-grid Cable and Micro-breaker recommended Step 2: First remove the waterproof housing plug, The GRID and Off-grid cables go through the corresponding GRID and Off-grid ports of the waterproof cover. Remove the 12mm insulation layer at the end of the wire. Insert the European-style terminals respectively, and make sure that the stripped ends are inserted into the European-style terminal, and use crimping pliers to press tightly. And locked in the Grid and off-Grid ports respectively. Finally, lock the waterproof cover screw. *Note: Please press

Step 1. Prepare a Grid cable (five-core wire) and an Off-grid cable (four-core wire), and then find the European terminal and waterproof cover in the

10AWG Euro Terminal*10

Waterproof cover

10AWG Off-grid((four-core wire)



Step 2. Strip the grounding cable insulation(length"L2), insert the stripped cable into the ring terminal, and then clamp it. Crimpina Tool Hexagon keys Torque: 1.5±0.2N·m **Monitoring Operation** > DONGLE connection diagram > Wireless monitoring accessories connection steps: DONGLE port connection line of the X3-Hybrid G4 M series inverter is on the X3-Matebox, for specific installation details, please refer to the X3-Matebox Quick Installation Guide It is necessary to wire the D series according to the following steps. Step 1. Of the DONGLE port of the inverter needs to unscrew the screw and take off the Dongle Step 2. Plug the Pocket WiFi Plus into the DONGLE port, use the screws in the Pocket WiFi Plus accessory to tighten it. Phillips screwdriver Torque: 1.0±0.2N·m Start Guide 1.Set date time 6*.Set work mode 2.Set language 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: 2017 ->06 <-06 Description Deutsch ne self-use mode is suitable for areas with low feed-in subsidies and high electricity prices ① When the power of PV is sufficient Active Charging or Discharge time period: PV will power the loads firstly, and surplus power will charge to the battery 3.Set the safety standard 4.CT/Meter Setting If the battery is fully charged, then sell the surplus power to the grid;(The inverter will limit the output if Feed-in limi r zero feed-in is needed) (PV > Load, PV \rightarrow Load \rightarrow Battery \rightarrow Grid) ② When the power of PV is insufficient CT/Meter Setting Safety ctive Charging time period: PV will power the loads firstly, the remaining power will be taken from the grid, the battery will not discharge at this time. (PV > Load , PV + Grid \rightarrow Load) Active Discharge time period: PV+BAT will power the loads together. If the power is still not enough, the remaining Country >VDE0126 >Meter ower will be taken from the grid. (PV < Load, PV + Battery + Grid \rightarrow Load) ctive Charging time period: The grid supplies the loads and also can charge the battery. (PV=0, Grid →Load + Battery) Active Discharge time period: The battery will power the home loads firstly. If the battery maining power will be taken from the grid .The inverter will enter into the standby state.(PV=0, Battery+Grid→Lo 5*.Set export control 6*.Set work mode attery min SOC can be set:10%-100%. **Export Control** he Feed-in priority mode is suitable for areas with high feed-in subsidies, but has feed-in power limitation Work Mode (1) When the power of PV is sufficient >Mode Select Use Value: 10000W power has been limited ,the surplus power can charge the battery. (PV > Load, PV \rightarrow Load \rightarrow Grid \rightarrow Battery) ctive Discharge time period: PV will power the loads firstly, and surplus power will feed-in to the grid When the power of PV is insufficient active Charging time period: PV will power the loads firstly, the remaining power will be taken from the grid. The battery will not discharge. (PV>Load, PV + Grid \rightarrow Load) 7.X3-Matebox Setting

Grounding Connection(manodatory)

Hexagon socket screws

The ground wire port of X3-Hybrid G4 M series inverter has been connected, and the D series needs to be wired according to the following steps.

Step 4. Find the ground connection port on the inverter, and Iscrew the

ground wire on the inverter with an M5 Allen key.

Start Inverter

Start inverter

Applies to most countires

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

X3-Hybrid G4 BAT Grid 8 Breaker 6 7 Distribution Box Battery

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

2

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)

N-BAR for off-grid loads N-BAR for loads

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

Firmware Upgrading

This function allows the inverter able to control

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

energy exported to the grid.

-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!

3 Without PV power

-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!

 $(PV=0, Grid \rightarrow Load + Battery)$

1) When the power of PV is sufficient

② When the power of PV is insufficient

ode.(PV=0, Battery Load)

Discharge time period: PV+BAT will power the loads together. If the power is still not enough, the remaining power

period:The grid will power the home loads and also charge the battery

mode will maintain the battery capacity at a relatively high level (Users' setting) to ensure that the emergency load

The off-grid mode is used when the power grid is off. .System will provides emergency power through PV and batt

Active Discharge time period :The battery will power the home loads firstly. If the battery power is not end emaining power will be taken from the grid . The inverter will enter into the standby state. (PV=0, Battery+Grid ightarrow Loa

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

Off-grid PV will power the loads firstly, and surplus power will charge to the battery.(PV Load, PV Load Battery)

he remaining power will be taken from the battery. (PV Load, PV+battery Load Battery)

e taken from the grid. (PV<Load, PV + Battery + Grid \rightarrow Load)

SOC-min under off-grid condition is 10%, which cannot be modified.

to supply power to the household loads. (Battery is necessary)

-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.

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:

terminal in the accessories.

One-core cable (12 AWG)

OT terminal

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";

>disable

enable

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)	(a)	(h)	(i)	(i)	(k)

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