

Size

V

Quick Installation Guide X1-SPLIT 3.0KW-7.0KW

		Insta	allation	
X1-SI	PT 3K/3.6K	181mm	Space Reserve enough space when installing inverter (at least issipation. $ightharpoonup \geq 300 \text{mm}$ $\geq 300 \text{mm}$	300mm) for hea
X1-SF	503mm	199mm		



PV Connection

normally.



c) Hang the buckle on the X1-SPT inverter to the corresponding position of the backplane. Use the inner hexagonal wrench to tighten the inner hexagonal screw on the right side of the inverter.



Grid and Load Output Connection

Step 1. Prepare a Grid cable (three-core wire) and an Load cable (two-core wire), and then find the European terminal and waterproof cover in the

Micro-Breaker

X1-SPT 3K/3.6K

(1-SPT 6K/7k





Load Cable and Micro-breaker recommended

20A

terminals into the UW10 terminals L1, N, and L2 according to the wire sequence,

X1-SPT-3K X1-SPT-3.6K X1-SPT-6K X1-SPT-7K

30A

Notice: The BMS port on the inverter is the communication port for connecting the battery. The communication port on the lithium battery must be consistent with the definition of pins 4, 5, 7, and 8 above;

VIII Communication Connection

COM Communication





COM PIN Definition

L & Drycontact_A(in) Drycontact_B(in) + 13V 485A 485B GND Drycontact_A(out) Drycontact_B(out)	Customers can communicate or control the inverter and external devices throw the COM interface. Professional users can use pins 4 and 5 to realize data	Customers can communicate or control the inverter and external devices through the COM interface. Professional users can use pins 4 and 5 to realize data acquisition and		2	3 4	5	6	7	8
Customers can communicate or control the inverter and external devices through	the COM interface. Professional users can use pins 4 and 5 to realize data	the COM interface. Professional users can use pins 4 and 5 to realize data acquisition and external control functions. The communication protocol is Modbus RTU. For c	Drycontact	t_A(in) Drycontact_B(in))+13V 48	iA 485E	GND	Drycontact_A(out)	Drycontact_B(out)
Customers can communicate or control the inverter and external devices through		the COM interface. Professional users can use pins 4 and 5 to realize data acquisition and external control functions. The communication protocol is Modbus RTU. For a							
		acquisition and external control functions. The communication protocol is Modbus RTU. For d	Customers	s can communica	ate or con	trol the	invert	er and externa	al devices thro

equipment (such as a heat pump), it can be used with SolaX's Adapter Box. For details, please refer to the Quick Installation Manual of the Adapter Box.tery must be consistent with the definition of pins 4, 5, 7, and 8 above;

Х Grounding Connection(manodatory)

Step 1. Prepare a one-core cable (10AWG), and then find the ground terminal in the accessories.

Step 3. Find the ground connection port on the inverter, and screw the ground wire on the inverter with an M5 Allen key.



COM Connection Steps

Step 1. Prepare a communication cable, and then find the communication adapter in the accessory bag.



Communication cable

IX

Step 3. Insert the prepared communication cables into the RJ45 terminals in sequence, and then use network cable crimping pliers to press them tightly.



Step 5. Finally, find the corresponding BMS / Meter / CT / COM ports on the inverter and insert the communication cable into the corresponding ports.



Step 2. Insert the communication cable through the communication adapter, and peel o ffthe outer insulation layer of 15mm.



Step 4. Tighten the completed BMS / CT / COM communication line and tighten the waterproof plug



X1-SPT 6K/7k

XII

Upgrade steps

XI





DONGLE connection diagram









Step 2. Plug Pocket WiFi into the DONGLE port. Please check the Pocket wi fiuser manual/Pocket LAN user manual /4G user manual for more details







XII

Start the Inverter





After the inverter is checked, then conduct the following steps

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

Start the inverter

- · Steps to start the inverter
- Turn on the AC switch between the X1-SPT and the power grid. - (Optional) Remove the locking screw from the DC switch.
- - Turn on the DC switch between the PV string and the X1-SPT if there is any.
 - Turn on the DC switch at the bottom of the X1-SPT .
 - When the photovoltaic panel generates enough power, the inverter will start automatically.
 - Check the status of the LED screen, the LED is green.
 - If the LED is not green, please check the following:
 - · -All connections are correct. All external disconnect switches are closed. -The DC switch of the inverter is set to the "ON" position.
 - -All external disconnect switches are closed. -The DC switch of the inverter is set to the "ON" position.

Step 1. Please save the "Upgrade" firmware in your U disk , and insert the USB flash drive.

Step 2. Observe the LED indicator light.

Note: The upgrade sequence is: DSP program, battery master control, battery slave control (twice), ARM program.

(1-SPT 3k/3.6k)		(X1-SPT 6k/7k)	
Upgrade progress		Upgrade progress	
0%-33%	Blue flashing, Green off, Red o ff	33%	Green flashing, Blue off, Red o ff
33%-66%	Blue on, Green flashing, Red off	33%-66%	Green on, Blue flashing, Red off
66%-99%	Blue on, Green on, Red flashing	66%-99%	Green on, Blue on, Red flashing
Current object upgrade complete	Blue on, Green on, Red on	Current object upgrade complete	Green on, Blue on, Red on
All objects upgrade complete	Blue flashing, Green flashing, Red flashing	All objects upgrade complete	Green flashing, Blue flashing, Red flashing
Upgrade failed	Blue flashing, Green flashing, Red off	Upgrade failed	Green flashing, Blue flashing, Red off
Battery upgrade failed	Blue off, Green flashing, Red flashing	Battery upgrade failed	Green off, Blue flashing, Red flashing

Safety Instructions



Indicates that the product must not be processed with household waste. It must be brought to an electric and electronic waste collection point for recycling and disposal.By ensuring the appropriate disposal of this product you also help in preventing potentially negative consequences for the environment and human health. The recycling of materials helps preserve our natural resources. For further information regarding the recycling of this product, please contact your municipality, local waste disposal centre or the store where the products was purchased.

Please contact us if you have any further confusions

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