LIVOLTEK

Quick Installation Guide

Off-Grid Inverter GF1-3K524S2/6K248S2

Scan the QR code below to view user manual and video



Preparation Tools				
Bit ₀10 Hammer drill	Rubber hammer	Claw safety hammer	Cross screwdriver	Slotted screwdriver
			E Real	9
Spirit level	Tape ruler	Insulation tape	Dustproof cover	Protective glasses
Euro terminal crimping tool	Wire stripper	Diagonal pliers	OT terminals press clamp	Multifunction terminal
	A TURN AND A		(Range ≥1100V DC)	AC/DC
Utility knife	Marker pen	Hydraulic tong	Multimeter	clamp-on ammeter



No outdoor

PV Cable Connection

Step1 Remove an appropriate length(about 7~8mm) of the insulation layer from the PV strings power cables





V

IV

AC Cable Connection

Step1 Before making AC input/output connection, be sure to open DC protector or disconnector first.

Step2 Remove the cable jacket and strip the wire insulation by 10mm. Step3 Insert AC input cables according to polarities indicated on terminal block and tighten the terminal screws. Note: Be sure to connect PE protective conductor first.

Step4 Insert AC output cables according to polarities indicated on terminal block and tighten the terminal screws. Step5 Make sure the wires are securely connected.



Angle and Space Requirments В

Indoor area



Mounting Instrucions С

Step1: Drill holes on the wall

- Mark the positions of holes of 2 corners of the inverter's bracket by marker pen.
- Drill holes with driller and make sure the holes are deep • enough(at least 40mm) to support the inverter.

Step2: Mounting the inverter

- Insert the expansion tubes into the holes and lighten them. Then install the inverter by screwing the screws.
- Step3: Installation Self-check
- Make sure the inveter is well fixed.





D Before Cable Connection

In order to facilitate subsequent cable connection, installers needs to remove the fixed screws on both sides of the inverter to remove the panel.







Content

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Inspection before Commissioning

VII

A



Before maintaining and commissioning inverter and itsperipheral distribution unit switch o ffall the chargedterminals of the inverter, and wait at least 10 minutesafter the inverter is powered off. WARNING



Step 6 Click on "Network Configurations". And choose "Wi-Fi" BMS_CAN_H BMS CAN L BMS_485_A





VI



RS 485 Port

RS485-B

Pin Number

Pin1

Note: Users could choose Pin1&Pin2(Pin1-5, Pin2-3), or Pin7&Pin8(Pin7-3,Pin8-5)). Please ensure that the 485A(485B) on inverter side is connected to the 485A(485B) on the battery side.



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1

2

3

5

6

7

8

Orange/White

Orange

Green/White

Blue

Blue/White

Green

Brown/White

Brown

GND

BMS 485 B

NC

NC

NC

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