GSM dongle for Solar Inverter - LSG-3

Dear Customer,

Thank you for your recent purchase of a Visiontek Solar Inverter. We truly appreciate your trust in our products and your commitment to a sustainable future.

Welcome to the Visiontek Family and thank you for making the switch to smarter, cleaner energy!

A Product from An ISO 9001:2015 & ISO 14001:2015 Certified

Notice:

Please read this manual carefully before using products and keep it in the place where O&M providers can easily find.

Due to product upgrade and other factors, the content of this manual might change from time to time. Please take actual product as standard. Unless otherwise agreed herein, this manual will only be used as guidance. Any statement, information or suggestion in this manual will not take any form of responsibility. Without written permission, any content of this document (partly or entirely) cannot be extracted, copied or transmitted in any form by any company or individual.

> ⚠ **Warning:**
>
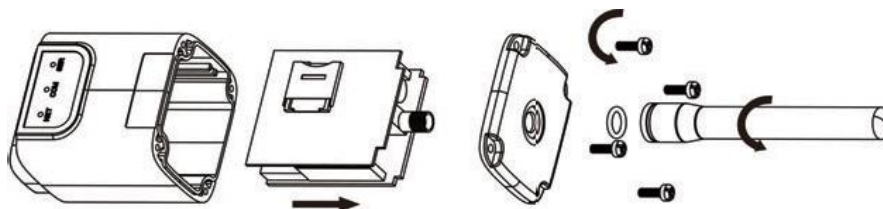> **Please power of the inverter to remove logger**

Download APP

Download **Visiontek Solar** APP.
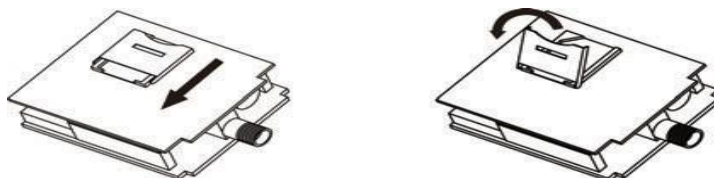
1. SIM card Placing:

Step 1:
Remove antenna and bottom cover in order, and then pull out circuit board. (Please keep waterproof grommet of antenna and bottom cover well
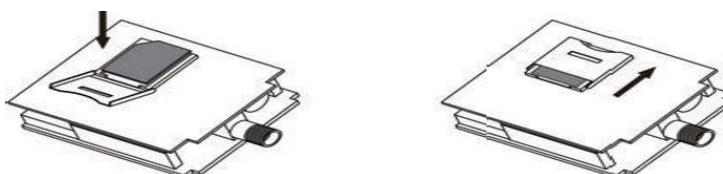

Step 2:
Move upper sheet-metal of SIM card slot about 1mm according to arrow direction, and then open it counter-clockwise.
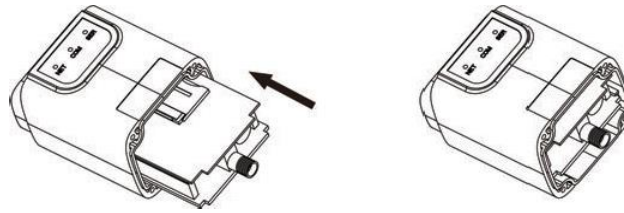

Step 3:
Put SIM card into the slot according to notch orientation, close sheet- metal of SIM card slot

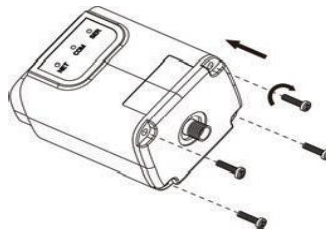clockwise, then move about 1mm according to arrow direction to lock.

Step 4:

Put circuit board into the enclosure, and then push it down along the inner guide. (Please keep SIM card face the indicator light.)
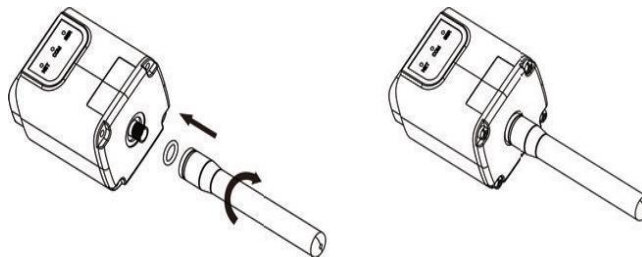
Step 5:

Install waterproof grommet of bottom cover properly, and then install bottom cover. Tighten screws clockwise.
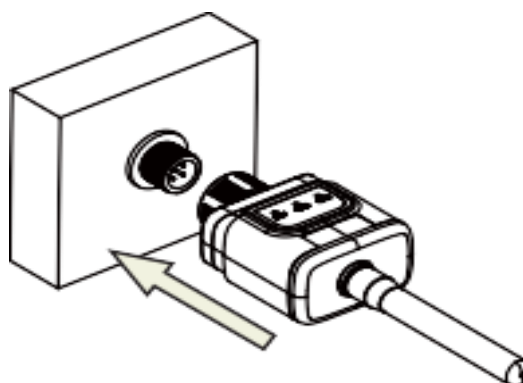
Step 6:

Install waterproof grommet of antenna on the antenna base, then tighten antenna clockwise.

2. Stick Logger Installation

Assemble logger to the inverter communication interface as shown in the diagram.

Warning:

Please do not hold the logger body to rotate while install or remove the logger.

3. Logger Status

3.1 Check Indicator light

Lights	Implication	Status description (All lights are single green lights)
NET	Communication status with base station	1. Light ON 64ms/Light off 800ms (Fast flash): GPRS module not registered to the network. 2. Light ON 64ms/Light off 2000ms (Slow flash): GPRS module registered to the network. 3. Light ON 64ms/Light off 600ms (Fast flash): GPRS data transmission. 4. Light OFF: GPRS module not running.
COM	Communication status with inverter	1. Light keeps ON: Successful connection to the inverter. 2. Light ON 400ms/Light off 1600ms (Slow flash): Initialization. 3. Light ON 400ms/Light off 400ms (Fast flash): Data transmission with inverter. 4. Light OFF: Communication with inverter failed.
SER	Communication status with server	1. Light keeps ON: Successful connection to the server. 2. Light ON 400ms/Light off 1600ms (Slow flash): Initialization. 3. Light ON 400ms/Light off 400ms (Fast flash): Connection with server failed.

The normal operation status of the stick logger with good base station signal:

1. Initialization: COM and SER lights flashes slowly after power-on;
2. Connecting to the base station: NET light flashes fast around 35s;
3. Connection to the base station succeeded: NET light keeps slow flash around 45s;
4. Communication with the inverter succeeded: COM light flashes fast 3 times then keeps on around 50s;
5. Normal operation: COM and SER lights keep on, NET light flashes slowly around 2mins;
6. GPRS uploading data: NET light flashes fast, SER light keeps on.

4. Abnormal State Processing

If the data on platform is abnormal when the stick logger is running, please check the table below and according to the status of indicator lights to complete a simple troubleshooting. If it still cannot be resolved or indicator lights status does not show in the table below, please contact Customer Support. (Note: Please use the following table query after power-on for 2min at least)

NET ● NET	COM ● COM	READY ● SER	Fault Description	Fault case	Solution
Any state	OFF	Any state	Communication with inverter abnormal	1. Connection between stick logger and inverter loosen. 2. Inverter does not match with stick logger's communication rate	1. Check the connection between stick logger and inverter. Remove the stick logger and install again 2. Contact customer care support.

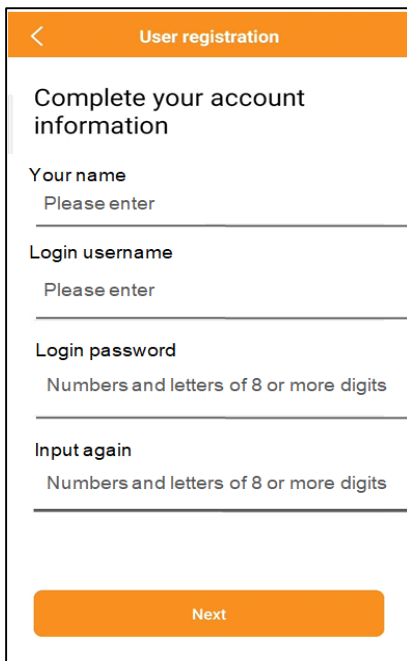| Flash	ON/Flash	Flash	Communication with base station abnormal	1. SIM charge overdue 2. Antenna abnormal 3. GPRS signal is weak.	1. Check if the balance is insufficient. 2. Check if the antenna is damaged or loosen 3. If the base station signal strength is good, it is recommended to change sucker antenna.
OFF	OFF	OFF	Power supply abnormal	1. Connection between stick logger and inverter loosen or abnormal. 2. Inverter power insufficient. 3. Stick logger abnormal.	1. Check the joint, insert or extract it again 2. Check inverter power to see if it meets the requirements 3. Contact Customer Service.

USER MANUAL for VISIONTEK SOLAR APP

Please make sure Bluetooth and Wi-Fi are ON and the router can connect to the network normally.

1. Registration

Go to VisiontekSolar app and register. Click "Register" and create your account here.

After verification enter account details like username, password and click on "Next".
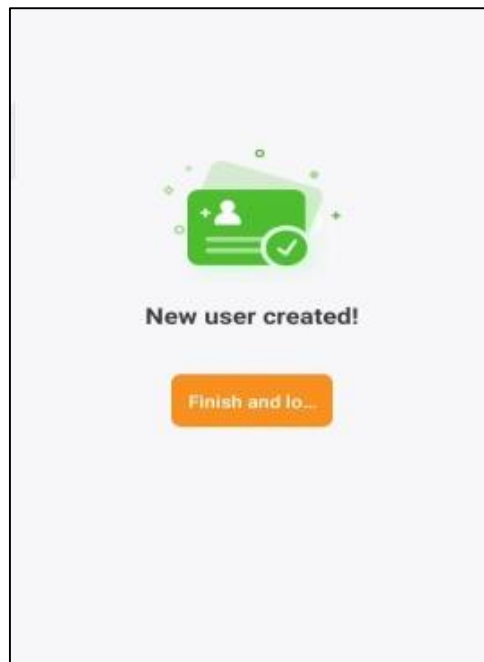
Now click on "finish and login" login with your registered mail id & password.

2. Create a Plant

Click "Create a power plant" to create your plant. Please fill in plant basic info and other info here. Click on "Save".


3. Add a logger

Click on "Add datalogger" and scan the QR code present on the dongle or Enter the serial number manually by clicking on "Enter SN" then click on OK. Click on "I see", then user can observe the data logger status information.
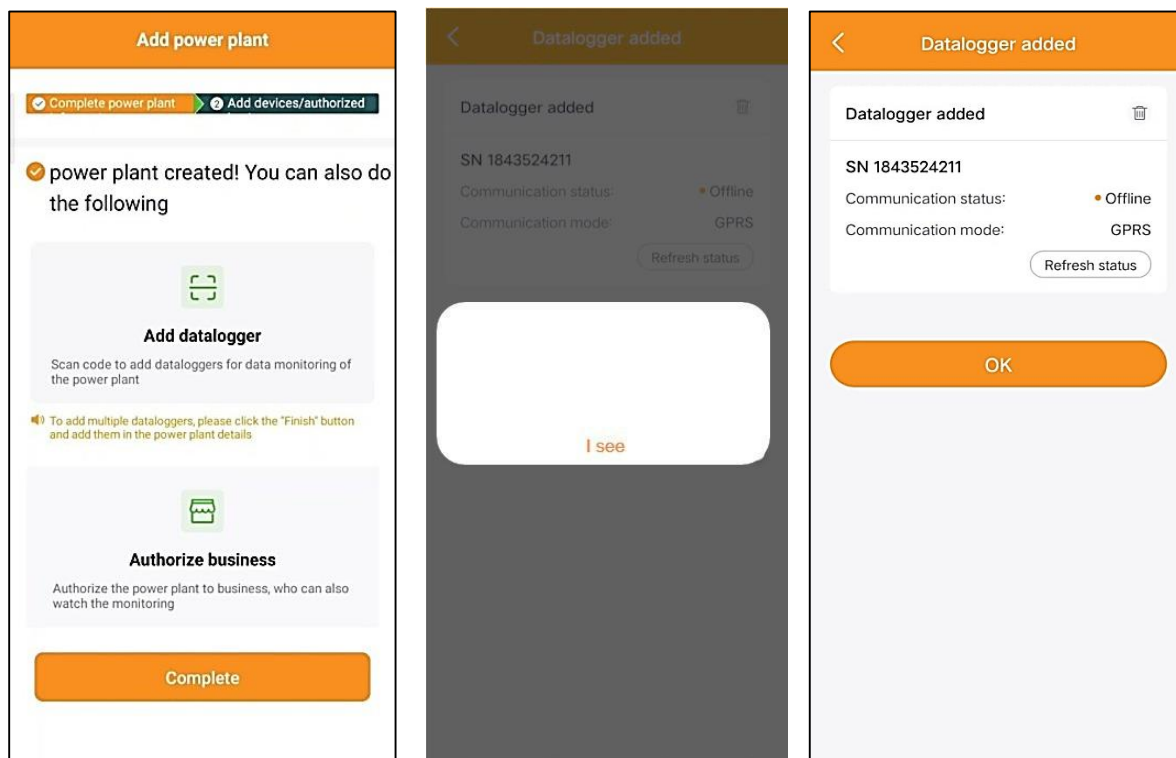
Click on "OK" .

After few minutes click on "device" confirm the online status of dongle by observing green network indicator. Now user can monitor inverter performance.
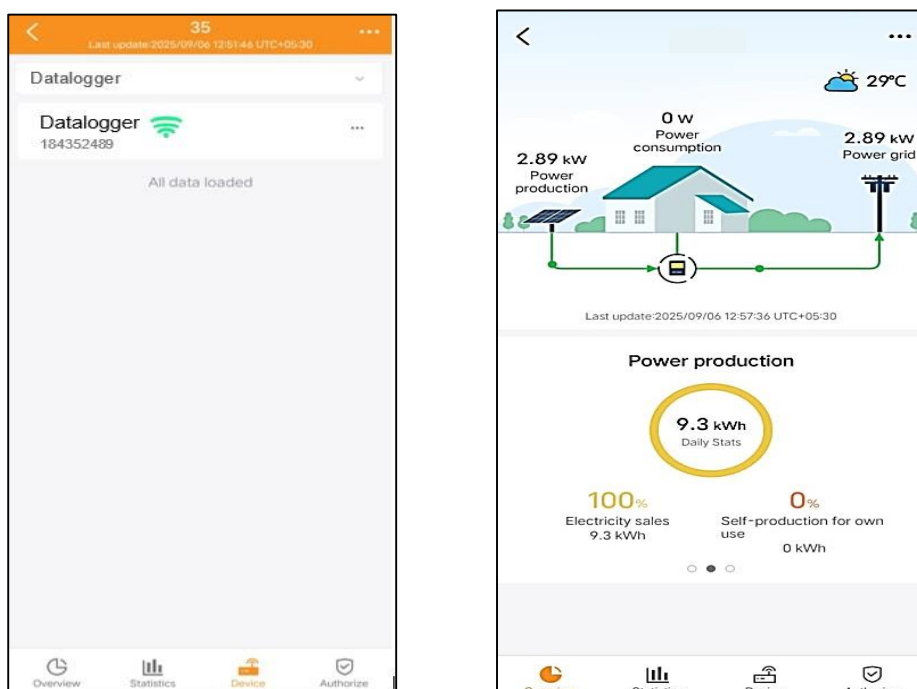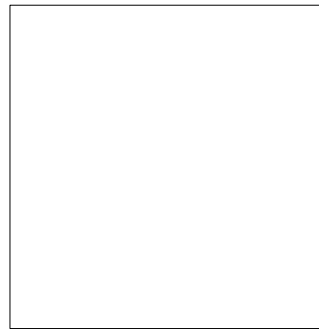

If you have any technical queries about our products, please contact us and provide the following information:
1. Product model and serial number of stick logger.
2. Product model and serial number of connected inverter.

Thank you for your support and cooperation.
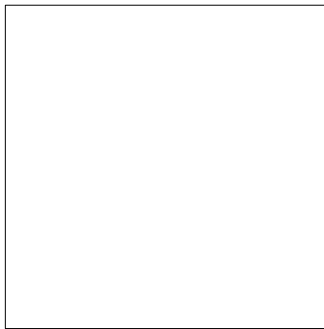
For Visiontek Solar app

For more information Scan this QR

Contact Address:

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