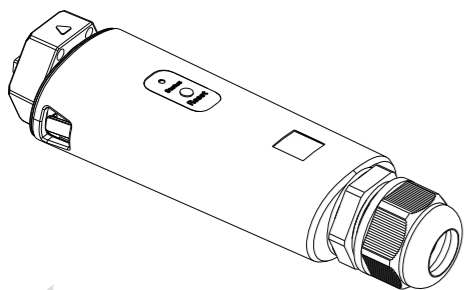


ShineLan-X User Manual

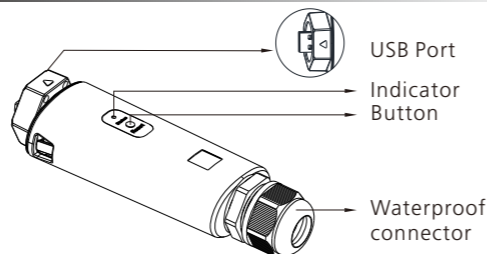


1. Product Overview

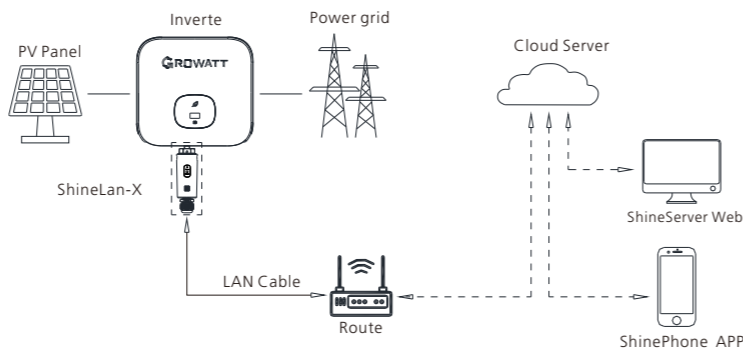
ShineLan-X is compatible with all on-grid inverters with USB port, which enables remote monitoring and maintenance of PV systems through LAN cable.

- Support mobile APP and server web page monitoring
- Support local commissioning and firmware upgrade
- Supports local data saving and break point retransmission

2. Product Appearance



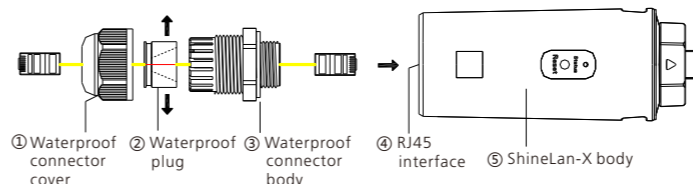
3. System Diagram



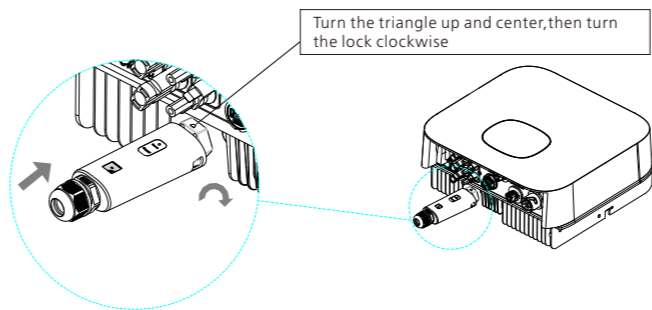
4. Installation and configuration

4.1 Installation instructions

1. Pass the network cable through the following components ①②③ from left to right;
2. One side of the network cable is connected to the RJ45 port of the ShineLan-X (the connection is successful until hear a click), and the other side is linked to the router's LAN port;
3. Screw the components ③②① tightly of the terminal to the inverter from right to left in sequence.



4. Rotate the USB cover of the photovoltaic device counterclockwise;
5. Rotate the datalogger locker on the upper, make sure the triangle is on the front side and in the middle;
6. Connect the datalogger to the inverter USB port, make sure the triangle is on the front side, press the locker and rotate clockwise until it is tighten.



4.2 Turn on inverter and check ShineLan-X state

When installing the ShineLan-X for the first time, the blue LED flashes, indicating that ShineLan-X communicates normally with inverter, router, and server. The following is the status description of LED lights:

Flashing status	Working condition
LED off	The USB connection with inverter is error
Red LED flashes	The communication between ShineLan-X and the inverter is normal
Green LED flashes	The communication between ShineLan-X, inverter and router is normal
Blue LED flashes	The communication between ShineLan-X, inverter, router and server is normal

4.3 Datalogger configuration

1. Scan the QR code below to download ShinePhone, also you can search ShinePhone in AppleStore or Google Play, download and install it.
2. After the APP is installed, you can follow the steps prompted on the APP interface to complete the datalogger configuration and build the PV plant. If there is any doubt in the configuration process, please refer to the 《ShineLan-X Configuration Guide》, which can be downloaded by scanning the QR code.



【ShinePhone APP】



【ShineLan-X Configuration Guide】

4.4 ShineLan-X button description

Button operation	Description
Press and hold for 6s until the white light is on	Reset the collector and restore the factor settings (factory default is dynamic IP)

4.5 Quick troubleshooting

LED status	Indicate	Troubleshooting
LED off	The USB connection with inverter is error	Replug the datalogger
Green LED flashes	The communication between ShineLan-X, the inverter and router is normal, but the communication with the server fails	Check if the router can access the Internet
Blue LED flashes	The communication between ShineLan-X, the inverter, router and server is normal	Normal operating conditions
Green LED light is always on	ShineLan-X failed to communicate with the router	1. Network cable is not connected 2. Restart the router and confirm that the router's automatic IP allocation function is available If using the static IP address, please check whether the IP address is consistent with the network segment set by the router

5. Specification

Type	Item	Parameter
General parameters	Long/Wide/High	152mm/47mm/28mm
	Weight	84g
	Protection grade	IP65
	Certificates	CE, UKCA, RoHS
Electrical parameters	USB rate	USB 2.0
	Nominal voltage	5V(±5%)
	Nominal current	400mA
	Typical power consumption	2W(MAX:3W)
	Working temperature	-30°C ~ +65°C
	Storage temperature	-40°C ~ +70°C
Application parameter	Supported servers	ShineServer
	Inverter communication	USB (Modbus RTU protocol)
	Server communication	TCP (Modbus TCP protocol)

Type	Item	Parameter
Application parameter	Communication distance	The direct connection is 100 meters, and the cascade is infinite
	User configuration Interface	APP configuration
	Data transmission interval	5 Min
	Default server IP address	server.growatt.com

6. Declaration of conformity

This product complies with the following regulations and requirements:

- Electromagnetic Compatibility Directive:2014/30/EU (EMC)
- Restriction of Hazardous Substances Directive:2011/65/EU(EU) and 2015/863 (RoHS)

You can download the Declaration of Compliance at <https://www.growatt.com>.

7. After-sales service Contact

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