

Quick Installation Guide

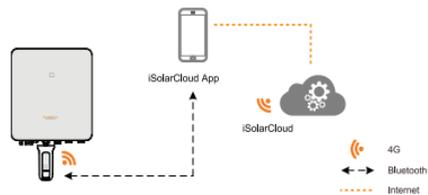
Communication Module

EyeS4

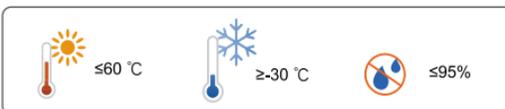


1 Application Scenarios

EyeS4 is applied in PV industry.
It is used in conjunction with SUNGROW PV inverters in residential/commercial PV plants.
It is used to upload the inverter data to iSolarCloud via 4G wireless transmission.



2 Installation Environment



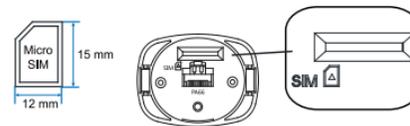
3 SIM Card Requirements

- Type: Industrial-grade SIM card
- Operating temperature: -40 C~+105 C
- Dimensions: Micro SIM 12mm X 15mm
- Recommended operator: Airte,Jio,Vodafone
- Recommended data per month: 30M

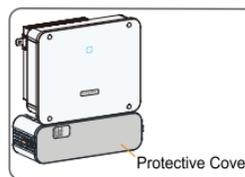
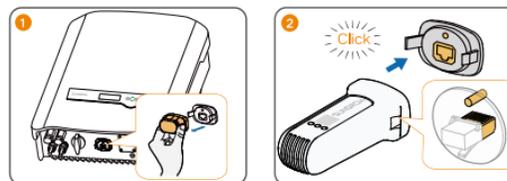
4 Inserting and Removing a SIM Card

Inserting a SIM card: Identify the insertion direction of the SIM card according to the screen printing on the lower left of the card slot. Insert the SIM card into the card slot with the finger or a slotted screwdriver until there is an audible click.

Removing a SIM card: Push down the SIM card using the finger or a slotted screwdriver and release it if there is an audible click. The SIM card can automatically eject.



5 Installing EyeS4



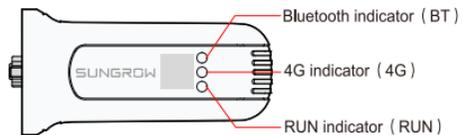
Note: If a protective cover is installed at the inverter bottom, it may cause wireless communication signals to attenuate, thus affecting the communication distance of the communication module.



More information in the QR code or at <http://hs.gpport.sungrowpower.com>



6 Description of the Indicator Status



Indicator	Color	Status	Description
	—	Off	External power supply disconnected
RUN	Yellow-green	Blinking	Normal operation (start blinking 50s after powered on)
		Red	Inverter communication abnormal
4G	Blue	Off	Not connected to the base station, no data communication
		Steady on	Connected to the base station, no data communication (steady on 30s after powered on)
		Blinking	Data communication in progress
BT	Blue	Off	Bluetooth not connected, no data communication
		Steady on	Bluetooth connected, no data communication
		Blinking	Data communication in progress

Parameter	Description
DC-Input	---: DC
Enclosure	Dustproof and waterproof rating, IP66: The product is completely dust-tight, and protected against heavy seas and powerful water jets with water ingress in such cases causing no harmful effects.
Temperature	Normal operating temperature range
	Do not dispose of communication modules as household waste.
	Please read this quick user manual.
<ul style="list-style-type: none"> Transmission Power 	
Mode	TRP
LTE FDD	23 dBm ± 2.7dBm
LTE TDD	23 dBm ± 2.7dBm
BT	≤ 20 dBm
<ul style="list-style-type: none"> Frequency Range 	
Mode	Value
LTE FDD	Band 1: 1920 MHz ~ 1980 MHz
	Band 3: 1710 MHz ~ 1785 MHz
	Band 5: 824 MHz ~ 849 MHz
	Band 8: 880 MHz ~ 915 MHz
LTE TDD	Band 34: 2010 MHz ~ 2025 MHz
	Band 39: 1880 MHz ~ 1920 MHz
	Band 40: 2300 MHz ~ 2400 MHz
	Band 41: 2555 MHz ~ 2655 MHz
BT	2400 MHz ~ 2483,5 MHz

7 Nameplate

SUNGROW		TD-LTE无线数据终端	
型号 Model	EyeS4	TD-LTE Wireless Data Terminal	
序列号 S/N			
直流输入 DC-Input	5.0V±2.1A		
防护等级 Enclosure	IP66		
工作环境温度 Temperature	-30 C...+60 C		
CMIIT ID: 2020CP13912		无线通信模块	
IMEI: XXXXXXXXXXXXX		阳光电源股份有限公司	
		www.sungrowpower.com	

8 iSolarCloud App

- Download App

Option 1: Search for "iSolarCloud" on MyApp (Android)/App Store (iOS), and download and install the App.

Option 2: Scan the QR code below, and download and install the App according to the prompts.



iSolarCloud App

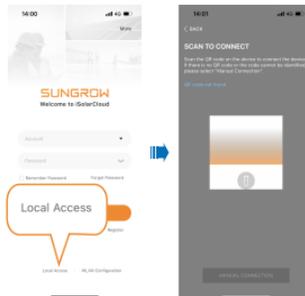
- Check User Manual

Users need to create a plant on the iSolarCloud App once the module starts normal operation. Log in to the iSolarCloud App and choose "Support" to get the user manual for the App. You may find detailed instructions on how to create a plant on the iSolarCloud App.

- Check Device Data

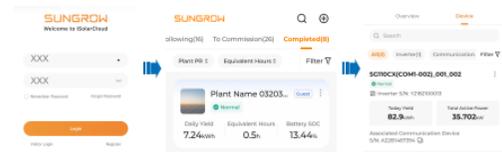
Login (local) to access device data:

Open the iSolarCloud App, and tap "Local Access" at the bottom of the screen. Scan the QR code on the EyeS4 module. Enter the password "pw1111" and tap "VERIFICATION". You may then check the device information and set parameters.



Login (remote) to access device data:

Open the iSolarCloud App. Enter your account and password, and tap "Login" to enter the plant list interface. Choose a plant by name, and then choose "Device" to check the device information and set parameters.



NOTICE

If you cannot view the device data information normally after inserting the SIM card, please contact SUNGROW.

9 Troubleshooting

No.	Fault	Corrective Measures
1	RUN indicator off	1) If necessary, disassemble the device and check whether the backplane supply voltage is DC5.0V using a multimeter set to DC; 2) If the supply voltage is normal yet the RUN indicator is still off, the wireless communication module is faulty. Please contact SUNGROW customer service.
2	4G indicator off	1) Check whether 4G signal is abnormal; 2) If 4G signal is normal, check if 4G data runs out.

The size and parameters of the product are subject to possible changes without further notice. Please refer to the latest version of SUNGROW product materials.