

EyeW485 Wireless Communication Module

Quick Use Manual

1 Application Scenarios

EyeW485

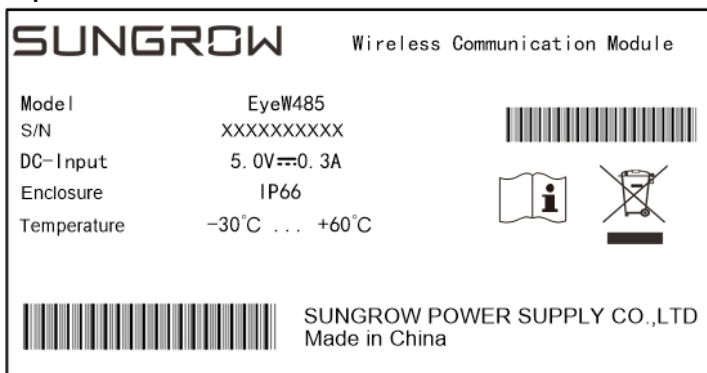
Description of Application Scenarios



EyeW485 is applied to the new energy industry, especially the photovoltaic industry. For use with PV inverters developed and manufactured by SUNGROW in residential/industrial/utility/floating photovoltaic plants. The inverter data is transferred via WiSun to the EyeW485-H and thus to the SunCloud.

2 Nameplate

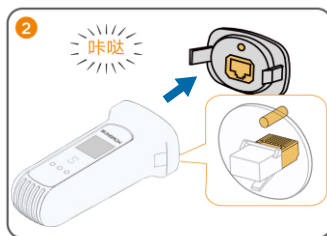
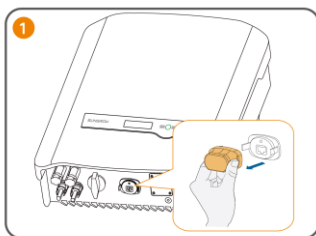
Nameplate



Description

Parameter	Description
DC input	DC input
Protection rating	Dust-proof and waterproof rating IP66: The product is completely dust-proof and the water intake caused by surfs or strong water spray will not harm the product.
Working ambient temperature	Normal Operating temperature range
	Do not dispose of the communication module as household waste
	Please read the quick use manual

3 Install the Wireless Communication Module



4 Description of the Indicator Status

The EyeW485 needs to be used with the EyeW485-H, both of which communicate wirelessly through WiSun to enable networking. The indicator status of EyeW485 and EyeW485-H is explained below.

Description of the EyeW485 indicator status

Indicators	Color	Status	Description
Run and malfunction indicator (RUN))	Red/Yellow-Green	Off	External power supply disconnection
		Blinking yellow and green	Normal operation

Indicators	Color	Status	Description
WiSun network status indicator (NET)	Blue	Blinking red	Failed to get the SN of the inverter, MAC address generation failed
		Off	No networking, in the process of broadcasting to network
		Steady on	Connected to EyeW485-H
Data communication indicator (COM)	Green	Off	No communication on the WiSun network
		Blinking	The WiSun network is communicating

Note: Blinking is defined as blinking on for 1s and off for 1s and then repeats.

Description of the EyeW485-H indicator status

Indicators	Color	Status	Description
Run indicator (RUN)	Green	Off	External power supply disconnection
		Blinking	Normal operation
WiSun network status indicator (NET)	Blue	Off	Connected with EyeW485
		Steady on	Fail to connect with EyeW485

Note: Blinking is defined as blinking on for 1s and off for 1s and then repeats.

5 Troubleshooting

Follow these steps to perform troubleshooting if the EyeW485 indicators are in the following status.

No.	Fault	Check method
1	RUN indicator off	1) If necessary, open the cover and check whether the backplane supply voltage is DC5.0V with the multimeter;
		2) If the power supply voltage is normal and the run indicator is still off, the wireless communication module is defective. Please contact SUNGROW for post-sales service.
2	NET indicator off	1) Check whether the EyeW485-H is connected to external power;
		2) Check whether the EyeW485-H is connected.

No.	Fault	Check method
3	COM indicator off	1) Check whether the EyeW485 is communicating properly with the inverter; 2) Check whether the EyeW485-H is communicating properly with the logger.

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.
- This device complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution!

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

- To maintain compliance with FCC's RF Exposure guidelines, this equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.