

# What is the voltage of the 485 communication line of the solar inverter

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The inverter is equipped with two groups of RS485 communication interfaces for external communication connection. Both the two groups of interfaces can be connected to the data collector (Logger), to ...

The voltage reading should be 5V on DC. Checking the voltage on pins 3 and 4 with a multimeter will ensure RS485 signal between the inverter and the communication device.

This document describes the communication protocol for PV grid-connected string inverters made by Sungrow. It defines the Modbus RTU protocol used for communication between the inverters and ...

With 72% of industrial solar projects now specifying RS485 connectivity according to the 2024 SolarTech Industry Report, understanding Huawei's implementation becomes crucial for ...

The RS485 communication protocol is critical for transmitting data between the inverter and the monitoring system. If the inverter detects an anomaly in the communication line, it may trigger a fault ...

There are three communication terminals COM1, COM2, and COM3 on the bottom of the inverter. Select the communication terminal according to onsite conditions. Disconnect ( $\geq 540V$ ) and fuse (16A, gM) ...

Checking the voltage on pins 2 and 3 with a multimeter will ensure RS485 signal between the inverter and the communication device. RS-485 voltage should read ~1.7Volts on DC.

In the case of trouble scanning for all inverters, please check the RS485 wiring for voltage and polarity: The voltage across RS485A+ and RS485B- should be between 3 and 4.6 VDC

RS485 external box can provide communication slot for the inverter without intelligent slot. No matter it's RS485 card or RS485 box, it provides communication between inverter and lithium battery.



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