

**PIENAAR ENERGY (PTY) LTD**

# **Huawei solar inverter rs485 connection**



## Overview

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Connect the RS485A1 and RS485B1 pins from the COM-port of your inverter via a twisted pair cable to the two screw terminals of the USB-adaptor. A possible cable is a CAT5e cable where you use a pair of wires that is twisted together (for example blue and blue/white). The SUN2000 can connect to the SmartLogger over RS485 or to a PC through the SmartLogger to implement communication. You can use the SUN2000 APP, SmartLogger, embedded WebUI, or the network. This integration supports two connection modes to your Huawei Solar installation: If your installation contains multiple inverters and a battery, the SDongle seems to regulate a part of how the inverters and battery interact. With 72% of industrial solar projects now specifying RS485 connectivity according. Before you begin configuration, make sure you have thoroughly read and reviewed the following knowledge base pages: The dongle is a small device, about the size of a USB Wi-Fi stick, that is connected to the inverter to allow for wireless configuration. Please make the connections.

## Huawei solar inverter rs485 connection

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### RS485 Communication Cables Connection Guide for Huawei

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This document provides detailed instructions on connecting RS485 communication cables to Huawei SUN2000 series solar inverters (30KTL-A, 33KTL, 33KTL-E001, 40KTL) and SmartLogger...

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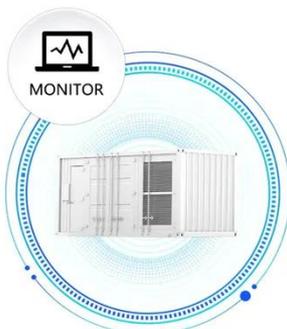
### RS485 Communication For 30-40KTL-M3 Inverters

This article discusses how to set up RS485 communication between multiple Huawei solar inverters and a monitoring system using either a Smart Dongle or SmartLogger device.



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### Connecting RS485 Communications Cables

When routing communications cables, separate them from power cables and connect the shield layer to the PE point to prevent communication from being affected. This section describes how to connect ...

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## Instructions for Setting Up Communication with Huawei Inverters

The dongle is a small device, about the size of a USB Wi-Fi stick, that is connected to the inverter to allow for wireless configuration. Important: The dongle must not remain connected during normal ...



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## RS485 COMMUNICATION CABLES CONNECTION TO ...

Huawei may change the information at any time without notice. This document describe the function of RS485 port and the method of connecting RS485 communication cables. The SUN2000 can connect ...

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## TrackSo Connection Manual for Huawei Inverters

Locate communication terminals (RS485) as shown in the picture below. There are two connection terminals on the configuration circuit board: RS485IN and RS485OUT (used for Daisy Chain ...



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## Connecting the RS485 Communications Cable

## (Inverter Cascading

Connect the signal cable to the signal cable connector. Connect the signal cable connector to the COM port.

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## Connecting to the inverter

Connect the RS485A1 and RS485B1 pins from the COM-port of your inverter via a twisted pair cable to the two screw terminals of the USB-adapter. A possible cable is a CAT5e cable where ...

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## Huawei Photovoltaic Inverter RS485 Connection: A Step-by-Step ...

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

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