



# Huawei solar inverter communication interface



## Overview

This document describes the Modbus protocol used by Huawei solar inverters, and can be used to regulate follow-up third-party integrated development. Huawei solar inverters comply with the standard Modbus protocol, and this document focuses on the information specific to Huawei. This issue is the first official release. The SUN2000 can connect to the SmartLogger or to a PC through the SmartLogger to implement RS485 communication. You can use the SUN2000 APP, embedded WebUI, or the network management software (such as the NetEco) on the PC to query information about the SUN2000, such as energy yield, alarms, and. This chapter describes the solar inverter models that use the Modbus protocol and the earliest firmware version.

Model ID	Earliest Firm Version
SUN2000L-2KTL 305	SUN2000L V100R001C00
SUN2000-2KTL-L0 338	SUN2000L V100R001C00

Unless otherwise specified in the contract, all statements, information, and recommendations in this document are provided "AS IS" without warranties, guarantees or representations of any kind, either express or implied. Every. GitHub - Atrabilis/huawei-solar-tools: Huawei Solar Tools is a Python library that enables communication with Huawei solar inverters, batteries, power meters, and EMI devices using Modbus TCP. It provides utilities for reading registers, interpreting data, and integrating with external systems.

## Article Content

### Interface Definitions (V3)

Huawei solar inverters provide Modbus communication based on physical media such as MBUS, RS485, WLAN, FE, and 4G. MBUS and RS485 comply with the Modbus-RTU format.

### Modbus Interface Definitions (V3.0)

This document describes the Modbus protocol used by Huawei solar inverters, and can be used to regulate follow-up third-party integrated development. Huawei solar inverters comply with the ...

### Huawei Solar Inverter Modbus Interface Definitions

Explore the Huawei Solar Inverter Modbus Interface Definitions. This technical guide details Modbus-RTU/TCP protocols, register definitions, alarm info, power grid scheduling, and energy storage ...

### Solar Inverter Modbus Interface Definitions

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### Modbus Huawei | PDF | Telecommunications | Network Protocols

It includes supported inverter models, register definitions for accessing inverter data, customized interfaces for obtaining optimizer system and real-time data, interface instructions for ...

### Modbus Interface Definitions

With the continuous expansion of Huawei inverter business, more and more devices use the Modbus protocol for communication. This document describes the Modbus protocol of a transformer station to ...

### Huawei Solar Inverter Modbus Interface Definitions (V2.0).pdf

This chapter describes the solar inverter models that use the Modbus protocol and the earliest firmware version. When a host needs to connect to these solar inverters, ensure that the firmware version is ...

### Solar Inverter Modbus Interface Definitions

The preceding table lists the alarm information about Huawei solar inverters. Some alarms can be detected only after corresponding functional modules are configured.

## Contact Us

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