Huawei Solar Inverter

Expand

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Huawei Inverter Driver

OVERVIEW

This driver is used to get the solar values from a Huawei inverter. It stores the values in variables, so you can do any kind of programming with it. Also the driver provides a simple webview, where you can see the values. Following values are supported at the moment:

- Consumption
- Solar input power
- Grid in/output power
- Yield Today

If you need other values, please feel free to contact us.

Configuring the driver

Enter the IP address and the Modbus ID of the inverter.

Supported Models:

- SUN2000 Models
- SUN8000 Models

Properties

Driver Version

Shows the version of the driver.

Debug Mode

Set debug mode to Off, Print or Log.

- Print: print debug information in the lua tab.
- Log: print debug information in the driver log.

Inverter Model

This property shows the inverter model as soon as it is connected.

Inverter Serial Number

This property shows the inverter serial number as soon as it is connected.

Device Connection

Shows if the TCP connection is online.

IP Address

IP address of the inverter.

TCP Port

Modbus TCP port.

Unit ID

Modbus ID of the inverter.

Polling Interval

Choose the time in seconds at which the Modbus registers should be read.

Invert Grid Power

If this is set to No, the grid power is positive when power is being consumed, and negative when power is being fed back.

Variables

GRID_POWER_KW (Int) Power in kW from or to the grid.

INPUT_SOLAR_POWER_KW (Int) Power in kW from the solar panels.

ACTIVE_INPUT_SOLAR_POWER_KW (Int) Power in kW from the solar panels after the inverter

CONSUMPTION_KW (Int) Consumption of all loads in kW. Calculation: ACTIVE_INPUT_SOLAR_POWER_KW - GRID_POWER_KW If grid power is inverted, the calculation is ACTIVE_INPUT_SOLAR_POWER_KW + GRID_POWER_KW

EFFICIENCY (Number) Efficiency in %

DAILY_ENERGY_YIELD_KWH (Int) Daily energy yield in kWh.

Limitations

- Storage is not supported yet

Change Log

- **20230720**
  - Initial release of this driver

Support

Contact information:

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