

# CAMEROON HUAWEI SOLAR IN HOME ASSISTANT



What is Huawei home assistant? Maximize the potential of your Huawei solar battery system with this powerful Home Assistant package. By intelligently optimizing battery usage, solar production, and grid interaction, this solution helps you: Perfect for homeowners looking to make the most of their solar investment while contributing to a greener future.



Does home assistant work with Huawei solar? It works!Maximum respect!  
I can't connect Home Assistant via Huawei Solar,although it works correctly via Fusion Solar.



What integration options are available for a Huawei Solar System? Hi all,For anyone that has a Huawei solar system - you know there???'s many different integration options including MODBUS TCP mode ECHONET LITE KIOSK MODE NORTHBOUND APIOther custom integrations to get the smart meter???



What is a Huawei solar inverter integration? This integration exposes the information and functions made available by Huawei Solar inverters directly via one of its Modbus interfaces in Home Assistant. Looking for more information? The Wiki contains in-depth documentation and support materials. HA Energy Dashboard Services



How many kWh of solar energy does Huawei portal Show Me? Huawei Portal shows me 4.26 kWh of yield energy for yesterday. 4.26 kWh: Fusion Solar Portal 5.46 kWh: Calculated daily solar energy with energy\_calc integration (GitHub - KoljaWindeler/energy\_calc: A custom integration for Homeassistant that provides an overview about solar power usage)

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What automations are included in the Huawei solar battery package? The package includes the following automations to manage and optimize your Huawei solar battery system: These automations work together to provide a comprehensive, adaptive system that optimizes your solar battery usage, maximizes self-consumption, and manages grid interaction based on current conditions and forecasts.



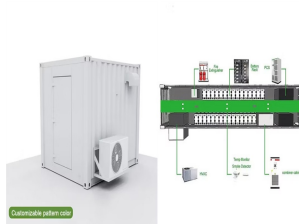
Yes - connection to Fusion Solar (huawei cloud service) is ONLY possible using a dongle. You can of course remove the dongle and use own "integration" and then pass that data to some other collecting online portals, but this is not a official huawei cloud. In Home assistant, while configuring the integration Huawei solar, I'm still



Hello together, I am new in Home Assistant and struggle to setup all the Huawei Solar Sensors. I installed the Huawei Solar integration with HACS and this is working so far. I updated Firmware Versions on the Dongle and Inverter to the right one. So I see all the Standard Entities and they are showing some realistic data. To create some useful Dashboards I wanted ???



? 1/4 ?? 1/4 ?????? 1/4 ??????????????????wifi????????????????? ???



Hi all, I have installed GitHub - wlcrs/huawei\_solar: Home Assistant integration for Huawei Solar inverters via Modbus integration, and I've set it up to connect to the inverter via a wifi router with openwrt. Now, I've been given the installer credentials and I was able to configure the inverter to send modbus tcp over my wifi dongle, so that I could connect to it "directly" ???

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lucaweb Se hai installato Home assistant su una Raspberry o un pc con scheda di rete wifi puoi semplicemente connetterlo anche alla rete wifi creata dall'inverter (sempre se sono abbastanza vicini) mantenendo la normale connessione alla ???



I recently acquired a PV system with a Huawei Inverter (without a battery) and integrated it into my Home Assistant using Huawei Solar Integration. I can visualize the current values using the Power Flow Card Plus. So far so good. However, I've noticed that I don't seem to get usable values for energy consumption on the energy dashboard



Hi all, For anyone that has a Huawei solar system - you know there's many different integration options including MODBUS TCP mode ECHONET LITE KIOSK MODE NORTHBOUND API Other custom integrations to get the smart meter data Using circuit clamps The only "easy" option to get return-to-grid and feed-in-from-grid data is the northbound API, ???



For the house power consumption, I do: house power consumption = inverter active power - power meter active power But for some reason this gives a very noisy approximation. For example, in the graph below, the sun came through the clouds between 5:30 and 5:45, so the inverter power increases significantly. However no extra device was turned ???



I could suggest using @wlcrs integration GitHub - wlcrs/huawei\_solar: Home Assistant integration for Huawei Solar inverters via ModbusTCP. Simple to setup and more reliable. For networking, you can use either of the three methods. In the router method, you don't need some brand new Wifi 6E device, anything which will allow a wireless bridge

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Die ?berwachung und Optimierung Ihrer Solaranlage ist heute wichtiger denn je, denn jede eingesparte Kilowattstunde z?hlt. Ein leistungsstarkes Tool daf?r ist Home Assistant Huawei Sun2000, eine Open-Source-Software, die smartes Energie-Management m?glich macht. Wenn Sie einen Huawei Sun2000-Wechselrichter besitzen und diesen in Home ???



Installed modbus-proxy Addon an used the Huawei Solar integration from HACS. Modbus-proxy configuration got the IP of the dongle. From here on I used the Huawei Solar Integration to add the four inverters. IP of Home Assistant, Port ???



Anlage: ?berschusseinspeisung seit 2.2.2023. Module: 27 x WINAICO WST-410MGX-P1 (410 Wp), Gesamt 11,07 kWp (Strings 13 bzw. 14 Module) Wechselrichter: Huawei SUN 2000 -10KTL-M1 (HC) (FW: V162, MBUS 330, Dongle V114). N?tzliche Links: Huawei Solar - Integration & Austausch Home Assistant - Huawei Installer-Standard PW - Modbus-Proxy in ???

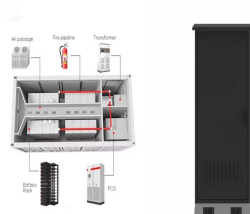


The "Huawei Solar PEES package" also include the huawei\_solar\_pees\_input\_card.md file. This file contain the code an "input card" for Lovelace / the Home Assistant Dashboards. Here is a step by step instruction on how to set up the "input card". Create a new dashboard (optional) in Home Assistant e.g. named "Solar PV".

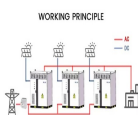


It sounds like it is I that miss something here??? If this is possible (obviously it does), why does the SDongle(Wifi) exist at all? I actually have a 4G dongle. But that is because the installer could not find my wifi dongle when they installed, so they gave me a 4G (which was the only ones they had in stock). But that is nothing I need (or even wanted). Where exactly do ???

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Hi All, I'm very new to any custom coding and am trying to get my solar/batteries all setup and working with HA. I am also with Octopus energy. If someone can pls help as the Huawei "fusion Solar" integration seems really confusing with multiple items for the same things and dead entities that never seem to update. I would love to have it all showing correctly on ???



Used Emillv2/huawei\_solar configuration instruction to get connected from HA. I created a dashboard to monitor solar production. image 1276x937 56 KB. 2 Likes. verjaak January 2, 2022, 2:29pm but when I try to setup the intergration in Home Assistant it always says "failed to connect to device, is the host correct?". So no connection



Home Assistant integration for Huawei Solar inverters via Modbus - GitHub - wlcrs/huawei\_solar: Home Assistant integration for Huawei Solar inverters via Modbus. CommanderROR January 11, 2023, 8:38am 2356. Yes, that's what I am using. malakudi (Panagiotis Malakoudis) January 11, 2023, 10:01am



I've been working on adding an official integration for Huawei Solar inverters to Home Assistant. First of all: This is GREAT news. The existing stuff is mediocre at best and I think Huawei inverters are really popular and deserve a great support in Home Assistant. Thank you so much for your efforts! Of course, I'm willing to test your



Gain insight into your energy production by integrating your solar panels into Home Assistant. If you also set up the Solar Forecast integration, you will be able to see expected solar production and automate based on planned production. Hardware . Home Assistant will need to know the amount of energy that is being produced.

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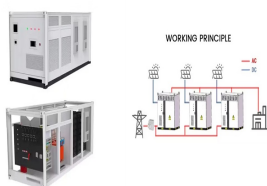
Q: The Daily Yield/Total Yield is incorrect: it also goes up when the battery is discharging.. A: Huawei does not provide a Modbus register that represents the output of the inverter produced by energy coming only from the solar panels. It does provide a register that represents the input of the solar panels, but that does not take into account the conversion losses of the inverter. cfr. ???



Home Assistant 2023.5.4 Supervisor 2023.04.1 Operating System 10.2 Frontend 20230503.3 - latest. copied all the GIT files into a directory: custom\_components>huawei\_solar. local IP adres is fixed in the router. and this is the IP I'm trying to connect to. I ???



Home Assistant integration for Huawei Solar inverters via ModbusTCP - GitHub - wlcrs/huawei\_solar: Home Assistant integration for Huawei Solar inverters via ModbusTCP. On this site you have manual how to install it. Try port 502 and slave=1. farkas16 (Farkas16) March 13, 2022, 6:37am



The current power production values seem to be correct, they are the same at every point of time; in the Fusion Solar Portal and in Home Assistant. Huawei Portal shows me 4.26 kWh of yield energy for yesterday. 4.26 kWh: Fusion Solar Portal.



Du hast hier alles stehen: GitHub - wlcrs/huawei\_solar: Home Assistant integration for Huawei Solar inverters via Modbus. Du musst nur bei Select Connection Type Netzwerk ausw?hlen, IP eintragen und feuerfrei. Netzwerk Configuration: GitHub - wlcrs/huawei\_solar: Home Assistant integration for Huawei Solar inverters via Modbus



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If you read my recent messages, there is way to connect to the modbus interface from local lan, so you don't really need to connect to the wifi access point of the inverter. And if you use the Sdongle, this is even easier. I ???



Devi installare HACS, poi da l? c"? il plugin Huawei solar e puoi integrarlo, ufficialmente non si integra. psf. Ho il FV huawei integrato in home assistant, a parte l"addon preso da HACS devi abilitare anche modbus tcp nelle impostazioni (provisioning) dell'inverter.



If you read my recent messages, there is way to connect to the modbus interface from local lan, so you don't really need to connect to the wifi access point of the inverter. And if you use the Sdongle, this is even easier. I use the integration of @wlcrs GitHub - wlcrs/huawei\_solar: Home Assistant integration for Huawei Solar inverters via Modbus



Du hast hier alles stehen: GitHub - wlcrs/huawei\_solar: Home Assistant integration for Huawei Solar inverters via Modbus. Du musst nur bei Select Connection Type Netzwerk ausw?hlen, IP eintragen und feuerfrei. ???