



# Solar assistant via Switzerland

What is solarassistant?

SolarAssistant is software used to monitor and control your solar system in real time and can be purchased from the SolarAssistant site. This instructable is designed as a technical reference for myself & also a guide for someone considering using SolarAssistant with a similar setup.

How do I connect solarassistant to a Raspberry Pi?

SolarAssistant is powered from a 5v Raspberry Pi PSU plugged into a wall socket off the standard ring main in my garage. A USB to RS485 CP2102 converter plugs into a USB port and the A+ & B- outputs are connected to pins 4&5 of a RJ45 plug. The RJ45 plug is connected to the top right socket on the inverter marked RJ45.

How do I connect my solarassistant?

This is socket 485-2 shown on the diagrams from the inverter manual. A standard RJ45 to RJ45 network cable then connects to my internet router (you can also use WIFI if your router is in range). Once connection is established your SolarAssistant will be accessible on your home network as well as anywhere in the world via the internet.

Is solar assistant a good app?

Results are only viewable after voting. Solar Assistant is a solar system monitoring and remote control app. It can also be used for home automation and load control. I am using this poll to measure its popularity on the forum. I have never used it before, but am curious how many people are using it. Yes.

Do you prefer solar assistant over Sol-Ark?

Solar Assistant is a solar system monitoring and remote control app. It can also be used for home automation and load control. I am using this poll to measure its popularity on the forum. I have never used it before, but am curious how many people are using it. Yes. I prefer it over the PV Pro app Sol-Ark offers. Vote cast ?

What are solarassistant metrics & how do they work?

Metrics are live up to 2 seconds. SolarAssistant is a standalone system that can be used without the internet. However when you are away from home all features are available remotely via the internet. Real-time metrics makes all the difference and gives true insight into how your system performs.

Switzerland USD Courier: DHL/Fedex/Passport 14-21 days Taiwan USD ... fast enough to provide a responsive interactive experience when performing real-time monitoring of multiple solar devices. 1.8Ghz Quad-core 64-bit processor; 2GB SDRAM; 8GB eMMC onboard storage; 2.4Ghz and 5.0Ghz WiFi; 1Gbps Ethernet; 3x USB ports;

Solar Assistant is an excellent software integrating tens of PV Inverter models, Batteries, Smart Shunts and



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more over serial, RS485, CAN, USB etc. It exposes all measurements in real real-time (few second resolution) in built in MQTT broker and provides MQTT bridge allowing it to publish to external MQTT broker.

yes there is a trial. you need to contact them at [info@solar-assistant.io](mailto:info@solar-assistant.io) and tell them you want to try SA. before contacting them create an account in their website. they will add a 30 day trial to you account and then you will be able to download the image and install it. once the device boots up link the device with the account you created ...

The most reliable USB cable to connect Voltronic inverters to SolarAssistant via the RS232 port. The RS232 port provides better isolation between monitoring device and inverter as the inverter micro USB port outputs 5.1V USB power which isn't ideal when it feeds into your monitoring device USB bus.. RS232 is more resilient against electronic signal disturbance (noise) ...

Why have Solar Assistant in the middle if the data can be sent straight to Home Assistant with a much more customizable experience? My best guess is the ease of setup, support for many inverters / BMS, and remote inverter configuration. \$80 is easily worth it if I am saving many hours of reading and configuring.

Solar Assistant ist ein AI-gesteuerter Assistent, der entwickelt wurde, um Menschen bei der Nutzung von Solarenergie zu unterstützen. Er bietet Informationen und Ratschläge zur Installation und Wartung von Solaranlagen, zur Optimierung der ...

The main dashboard displays a real-time view of the most important metrics including any possible alerts or inverter faults that might be in effect. Below is an example dashboard of a Voltronic/Axpert/MPP Solar inverter. The battery charts are cropped out of the screenshot.

Voltronic/Axpert/MPP Solar. Configuration Settings Power management. Growatt. SPF range SPH range SPA range TL range Settings Power management. EASUN/PowMr/Anern. ... Home Assistant. Setup Broker setup Energy ...

Advanced solar monitoring for EG4 inverters Modern, real-time solar monitoring and control via web, Android and iPhone app. Shop View guides. Real-time analytics. Per second metric accuracy. Real-time metrics makes all the difference and gives true insight into how your system performs. Instant updates are really convenient if your trying ...

Solar iBoost+ is installed next to the hot water tank and receives messages from the Sender unit clamped to the main feed off the incoming main. When activated, it intelligently controls and adjusts the level of energy flowing to your immersion heater in line with the export levels as they rise and fall. Pic 5 iBoost+ Buddy

Ein Solar-Assistent überwacht und optimiert die PV-Anlage, um den Solarstrom möglichst effizient zu nutzen. Mittels Solar-Assistant-App lässt sich das System sogar aus der Ferne steuern. Einige Solar-Assistenten nutzen KI, um das Energiemanagement maximal zu optimieren.



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This is our top-of-the-line read to use option. The Raspberry PI 5 can easily monitor a large amount of solar hardware while simultaneously running the interactive kiosk. The SanDisk Industrial SD card ensures long term durable storage.

Home Assistant. Setup Broker setup Energy dashboard Adjusting solar settings. Integration. MQTT API Node-RED. Software updates. Overview Changelog Beta program. Example installations. Axpert parallel with Pylontech SunSynk with ...

Modern, real-time solar monitoring and control from a Raspberry Pi. Get the most out of your solar investment with our sleek, modern, robust and powerful platform. No need for expensive sub-optimal monitoring devices.

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Web: <https://www.mzanzipestcontrol.co.za>

