

How does solarassistant work?

When using the ports on the right, SolarAssistant will "listen in" on parallel communication going between the JK BMSs that are connected together. This is similar to how the official JK BMS software works. When using the port on the left, you need to configure the BMS to use the "000 - 4G-GPS" protocol using the official JK BMS software.

What RS485 cable do I need for a JK inverter BMS?

This guide is for the newer JK inverter BMS, also known as the JK PB BMS range. See our original JK BMS guide if you have their older original BMS. Use a Seplos RS485 BMS cable. If you are creating your own cable, note that RS485B on pin 1 and RS485A on pin 2.

How do I connect solarassistant to a seplos/Bak battery?

USB cable to connect SolarAssistant to the Seplos/BAK family of batteries via the RS485 port. A single cable can read all batteries in the battery bank. With all the battery models below, if an inverter is already reading them via CAN then SolarAssistant can not read them via RS485 at the same time. Set SolarAssistant to "Use inverter values".

Protocol selection. On the SolarAssistant configuration page, select the protocol below. USB cable. You can use our seplos BMS cable or create your own by using a USB RS485 adapter with the cable crimped into a RJ45 plug according to the pinout as depicted in the manual. Only one cable is required to monitor all batteries in parallel.

Hallo, gibts hier jemand der das JK mit der Solar assistant Software ausliegt? Suche einen geeigneten Adapter JK zu USB, muss ein TTL zu USB sein, kenne mich aber nicht gut genug aus. Auf der Homepage von SA werden verschiedene Adapter vorgeschlagen, "JK BMS RS485 module" und zusätzlich "USB RS485" oder alles mit nur einem Adapter "USB TTL ...

Hi everybody im thinking about making a new battery pack of 72v 100ah I heard that Jk Bms are better than Daly but between JK bms with Bluetooth or Jia Baida Bms of 150A 20s 72v ? Which one do you consirere is better from your personal experience ? Leo

Thank you for all recommendations that was written in this thread. Using them I just putt together 3 phase system with the Easun 8kW and 4 JK-BMS to Raspberry Pi4 with Solar Assistant. For the inverter connection using regular USB-A->miniUSB. For the JK BMS using USB TTL (PL2303) connected to the GPS port of the BMS. All working good and show ...

How to connect a JBD or Overkill Solar BMS to SolarAssistant. ... Configuration CAN bus CFE battery Daly



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BMS Dyness / Mecer EG4 Felicity Solar Giter JK BMS JK inverter BMS JBD / Overkill BMS Revov Seplos BMS Shoto BMS SOK SolarMD SunSynk Trophy Vestwood. Grid. ... Home Assistant. Setup Broker setup Energy dashboard Adjusting solar settings ...

Pulling the data into Home Assistant through the UART port connected to an ESP32 chip running ESPHome. The ESP chip sends all the data from the bms over Wifi. I have a new JK BMS coming in the mail - planning to set that up the same way this weekend with ESPHome. This one however I can connect via bluetooth instead of having to hard wire it.

- 2 LV6548's, and Victron smart shunt using Solar Assistant. - Finally after all this time!... an easy way to monitor my JK-BMS 2amp balancer using ESPhome (Bluetooth Version install) that I found here. The JK-BMS ...

I do (I don't have JK BMS though). I have it connected using the Victron cable to my Solar Assistant Raspberry Pi. It works and was easy to set up but there are some issues with the data in SA. The battery dashboard shows the data from the Victron Smart Shunt correctly but not all the data is making it to the charts tab, e.g.

Voltronic/Axpert/MPP Solar. Configuration Settings Power management. ... Configuration Settings. Battery. Configuration CAN bus CFE battery Daly BMS Dyness / Mecer EG4 Felicity Solar Giter JK BMS JK inverter BMS JBD / Overkill BMS Revov Seplos BMS Shoto BMS SOK SolarMD SunSynk Trophy Vestwood. Grid. ... Home Assistant. Setup Broker setup Energy ...

Select your connected solar equipment and click connect. Please see our inverter and battery help guides if you need help selecting your solar equipment. ©2024 SolarAssistant Website terms and conditions | Software end user agreement | Contact us

Connecting the JK inverter BMS Overview. This guide is for the newer JK inverter BMS, also known as the JK PB BMS range. See our original JK BMS guide if you have their older original BMS. Battery communication cable. Use a Seplos ...

Colorado, United States. Sep 30, 2024 #2 Hey, while I don't have a sol-ark, I am doing something similar. ... You can use the Smart shunt as a stand alone to verify/confirm the bms/Solar assistant data. JK's can be dialed in for very accurate SOC. As far as I know bms brand mixes or bms plus shunts won't work together with Solar Assistant.

In-Depth Overview of the Top 3 BMS Brands 1. JK BMS. Overview: JK BMS has gained a strong reputation for its advanced features and user control options. This brand is known for its active balancing capability, which distributes energy among cells to extend the battery's lifespan and improve efficiency.



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Native Home Assistant integration (works with all HA installation methods) Readout of individual cell voltages to be able to judge battery health; Supported Devices CBT Power BMS (Creabest batteries) D-powercore BMS (show up as DXB-...), Fliteboard batteries (show up as TBA-...) Daly BMS (show up as DL-...) E& J Technology BMS, Supervolt v1 ...

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 ...

It's less accurate than a Victron BMS but much more accurate than the standard voltage based readings of an inverter. USB Daly UART/RS485: Daly BMS UART/RS485 Deligreen BMS UART/RS458 Heyo BMS UART/RS458: USB ...

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