

## European Solar Energy Storage

# Solar assistant jk bms Syria



## Overview

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How do I connect a JK BMS to solarassistant?

Select one or more USB cables and click connect: Plug the RS485 USB cable into the SolarAssistant monitoring device. Once you click "connect" on the configuration page, you should see each BMS show up as a battery pack as shown below. One pack will be shown for each JK BMS connected in step 2 above. How to connect a JK BMS to SolarAssistant.

How accurate is solarassistant BMS?

Let SolarAssistant perform it's own state of charge (SoC) calculation by counting power flowing in and out of the battery. This is a good fallback option for anyone who can't get a real BMS reading. It's less accurate than a Victron BMS but much more accurate than the standard voltage based readings of an inverter.

Should I use jk04 If I have a jk-b2a24s?

Also . If you have an older version (Mine is the JK-B2A24S and only monitors and balances). You would put JK04 for the protocol version. (There is an example yaml for that on the site as well). Now I'm thinking about using the delta cell voltage reading as a shutdown switch if the difference exceeds "X" amount.

## Solar assistant jk bms Syria

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### 18KPV Follow Up with JK Inverter BMS , DIY Solar Power Forum

The new JK PM BMS is not yet supported by these solutions, my JK PB BMS is on 15.17 and I connect to it via Wifi using a HiFlying EW11 with a Virtual Serial port on the PC so I can connect and monitor the batteries anywhere on the local Lan. Once one of your solutions adds the JK PB BMS I will try them out.

### JK BMS

I have a JK-B2A20S20P BMS in my battery room but I want to extend the Bluetooth signal. Is there a way to do this? Solar Enthusiast. Joined Apr 26, 2022 Messages 566. Make sure you get one natively supported in home assistant. The esp32 talks to the BMS with bluetooth and relays that information to home assistant via wired or wireless



Standard 20ft containers



Standard 40ft containers



### Solar Assistant integration of two batteries (two JK BMS)

I have a Growatt SPF5k inverter with two Lifepo4 batteries, each controlled by it's own BMS (JK 100A). I there a way to connect both BMS's to Solar Assistant? Currently it's only one connected via RS485 dongle and the details aren't accurate (-50%). Option would be to use inverter settings but I don't want to lose the details provided by the BMS.

## CAN bus setup with SolarAssistant

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 dashboard Adjusting solar settings. Integration. MQTT API Node-RED. Software updates. Overview Changelog



## **Monitor JK BMS with Solar Assistant?**

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.

## Troubleshooting

Troubleshooting. Are you seeing the page below when accessing your site? This guide will help you identify the root cause of the problem. The inverter and battery connection does not affect whether your site is reachable so you don't have to spend any effort on adjusting it. SolarAssistant continues to monitor your inverter and battery regardless of whether the network and internet is



## Seplos BMS setup in SolarAssistant

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 the pinout as depicted in the manual.



Only one cable is required to monitor all batteries in parallel.

## Configuring your battery in SolarAssistant

We recommend using a battery BMS cable or the Emulated BMS. Emulated BMS: Let SolarAssistant perform it's own state of charge (SoC) calculation by counting power flowing in and out of the battery. This is a good fallback option ...



## Solar Assistant and two JK bms's , DIY Solar Power Forum

Basically the question is; Can Solar Assistant plug and play from two JK bms's (JK-B2A20-20P) or is it just easier and better to combined both battery outputs through one Victron smart shunt(not purchased) to the SA? wattmatters Solar Wizard. Joined Apr 16, 2021 Messages 4,156 Location



## Multi BMS Design · Uksa007 esphome-jk-bms-can · ...

Future plans is to allow a mix of JK-BMS and JBD/Overkill to be slaves, currently just JK-BMS in the Alpha stage. Solar assistant and ESP32 during setup work I want to thank Uksa007 for his work, it looks very solid now and im comfortable ...



## SolarAssistant

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 dashboard Adjusting solar settings. Integration. MQTT API Node-RED. Software updates. Overview Changelog

## Monitoring Software-Solar Assistant, JK-BMS, ESPHome and Home Assistant

- 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 monitoring was the last piece of the puzzle and I have screwed around for many many hours to only be disappointed until now.



## Real-time solar monitoring from a Raspberry Pi , SolarAssistant ...

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. Open Data with Home Assistant integration. Integration and automatic discovery for Home Assistant. Integrate your own custom projects via MQTT. Community videos

## SolarAssistant with 2nd EG4-LLS battery

Solar Enthusiast. Joined May 29, 2022 Messages 498 Location NE Ohio. Yesterday at 5:30 AM #4 Quailfarm said: Deye and JK BMS won't communicate via CAN ...



## BMS\_BLE-HA Home Assistant Integration for

Monitoring Software-Solar Assistant, JK-BMS, ESPHome and Home Assistant DanF; Nov 30, 2022; Software; 2 3. Replies 73 Views 17K. Jul 10, 2023. Jazzmonger. Share: Facebook LinkedIn Reddit Email Share Link. Energy Storage. BMS (Battery Management Systems) System Light Dark Terms and rules;

## Monitoring Software-Solar Assistant, JK-BMS, ESPHome and ...

I thought I would share my Home Assistant dashboard that I'm using on a cheap Samsung A7 pad. I am using it for smart home applications, but also monitoring my: - ...



## Connecting a SOK 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 dashboard Adjusting solar settings. Integration. MQTT API Node-RED. Software updates. Overview Changelog

## Introduction to SolarAssistant

It is designed to run on a Raspberry Pi that is plugged into the solar inverter and optionally a battery BMS. The idea is that you leave the PI running permanently. The application can be accessed from a web browser or the Android/iPhone app via local network or the internet.



## **Monitor JK BMS with Solar Assistant?**

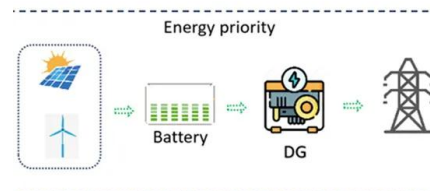
Thank you for all recommendations that was written in this thread. Using them I just putt together 3 phase system with the Easun 8kW and 4 JK-BMS to Raspberry Pi4 with Solar Assistant. For the inverter connection using regular USB-A->miniUSB. For the JK BMS using USB TTL (PL2303) connected to the GPS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

the BMS. All working good and show



## Create a custom RS485 or RS232 cable

Follow this guide to create a custom RS232 or RS485 cable to connect your solar hardware to SolarAssistant. 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 Home Assistant. Setup Broker setup Energy dashboard



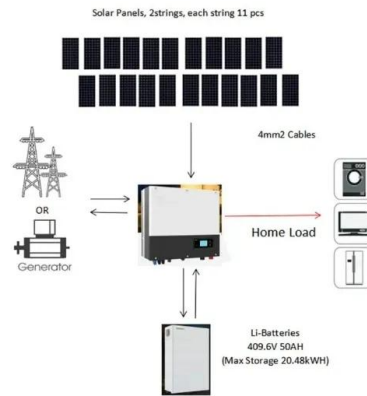
## How-to? Monitor Solark, victron shunt, jk bms

Solar assistant will see multiple JK's at a time. 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.

## connect BMS to inverter and solar-assistant at the same time

The solar-assistant picks up on basic battery information from the BMS- voltage, temp etc. can people share their setups where they get the

pack level information from the ...



51.2V 300AH

### [Deye/SunSynk/Sol-Ark](#)

You can temporarily unplug the battery CAN cable from the inverter BMS port and plug the SolarAssistant RS485 cable into the inverter BMS port to see if SolarAssistant can read your inverter. Be sure to click "Disconnect", then "Connect" in SolarAssistant. Once the test is complete, put the battery CAN cable back into the BMS port.

## Configuring your battery in SolarAssistant

Home Assistant. Setup Broker setup Energy dashboard Adjusting solar settings. Integration.  
 JBD BMS UART/RS485 Overkill Solar BMS  
 UART/RS485 QUCC BMS UART/RS485: USB JK  
 RS485: JK BMS RS485: USB Modbus  
 RS232/RS485: Average CH48/LFeLi range RS485  
 port EG4 LIFEPOWER4 (with LCD) RS485 port



## Deye monitoring from a Raspberry Pi , SolarAssistant Software

Advanced solar monitoring for Deye inverters  
 Modern, real-time solar monitoring and control  
 via web, Android and iPhone app. Home  
 Assistant integration. Awaken your home with

open source home automation software that puts local control and privacy first. JK BMS Learn more. Leoch Narada Pylontech Revov Rentech Shoto The Sun Pays Victron



## YamBMS JK-BMS-CAN with new Cut-Off Charging Logic (open

...

It's currently connected to solar assistant via USB. G. goldserve Solar Enthusiast. Joined Apr 26, 2022 Messages 557. Oct 29, 2024 #2,278 You do need one other JK BMS connected via BLE or RS485 or UART TTL for the YAM BMS to function. Reactions: Fahmula. G. goldserve Solar Enthusiast. Joined Apr 26, 2022 Messages 557.



## EG4 monitoring from a Raspberry Pi , SolarAssistant Software

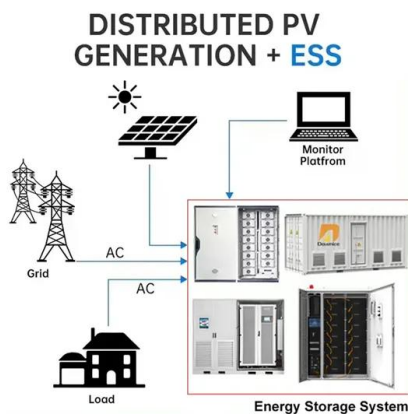
Advanced solar monitoring for EG4 inverters Modern, real-time solar monitoring and control via web, Android and iPhone app. If the monitoring device is connected directly to the battery BMS it can read many additional metrics such as cell voltage, cycles, state of health, etc. It can also provide metrics for each battery in your battery



## JK inverter BMS CAN bus wiring , DIY Solar Power Forum

Typically the right two RJ45 jacks are used for

battery to battery communications. The middle RJ12 jack is for Computer (or Solar Assistant) communications and the left RJ45 jacks (RS485 and CAN) are used for Master BMS to Inverter communications. The JK BMS manual counts pins on the double RJ45 jacks from left to right as pin 1 through pin 16.



## DIY Solar , Solar Assistant and JK BMS

Solar Assistant and JK BMS Who has successfully configured the RS-485 on a JK BMS to communicate with Solar Assistant? I have the software installed and licensed on a RP3b and ...

## JK bms vs JBD bms

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 Forums. New posts Registered members Current visitors Search forums Members. What's new. Solar Enthusiast. Joined Jan 2, 2021 Messages 585. Oct 2, 2023 #2 I have both BMS's.

### HEAT DISSIPATION

Cold aisle containment, making optimal refrigeration effect:



## homeassistant , Second Life Storage & Solar

Easy SEPLOS (V2+V3), JK and JBD-BMS integration in HomeAssistant A very skilled programmer added SEPLOS and JK-BMS support in his HA hacs addon BMS\_BLE-HA. ...



## Is my inverter supported?

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. Eskom Europe. Home Assistant.  
Setup Broker setup Energy dashboard Adjusting  
solar settings. Integration. MQTT API Node-RED.  
Software updates



## **JK inverter BMS setup in SolarAssistant**

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 RS485 BMS cable. If you are creating your own cable, note that RS485B on pin 1 and RS485A on pin 2. BMS port - Option 1

## **Contact Us**

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<https://bialydom.kolobrzeg.pl>