

## European Solar and Energy Storage Solutions

# 123 smart bms Namibia



## Overview

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What is 123 smartbms?

123\SmartBMS is an easy to use yet advanced, modular BMS to keep your lithium batteries in perfect condition, increasing the lifespan of the battery pack. The system measures important data like cell voltages, cell temperatures and in- and outgoing currents. It also balances all cells to the same voltage during charging.

What is 123electric smartbms Gen3?

123electric presents the new generation SmartBMS: 123\SmartBMS gen3. An easy to use yet advanced, modular BMS to keep your lithium batteries in perfect condition, increasing the lifespan of the battery pack. We have used the experience and feedback of our customers to develop a new generation BMS. More features, easier installing.

What is 123smartbms Gen3 between board?

The 123SmartBMS gen3 Between Board is an additional module developed to be installed on each cell of the battery as an extension to the. The 123/SmartBMS to USB cable is a handy cable which can be used to display BMS data on the Victron Cerbo/Venus or for custom 123/SmartBMS.

What is a 123/smartbms to USB cable?

The 123/SmartBMS to USB cable is a handy cable which can be used to display BMS data on the Victron Cerbo/Venus or for custom 123/SmartBMS. 2 meters VD wire 0.75mm<sup>2</sup>. With this wire you connect the boards to each other. 123SmartBMS set for power wall in collaboration with Victron Multiplus GX 48V.

Does 123 smartbms work with victron GX devices?

This software creates deep integration of the 123\SmartBMS with any Victron GX device. The software runs on the Victron GX OS, which is VenusOS. This

project requires VenusOS 2.80 or higher. Make sure you update to the latest release (candidate) to get v2.80 or higher. Cerbo - The USB cable can only be plugged into the two USB ports on the edge.

How do I connect a 123 smartbms to a victron Cerbo/Venus?

The third USB port is a power port and cannot be used. Plug the 123\SmartBMS to USB cable into the 123\SmartBMS End Board Ext Out and the USB into the Victron Cerbo/Venus. Download venus-data.tar.gz and put it on a usb drive or SD card (do not extract). Plug this USB drive/SD card into the Cerbo/Venus and reboot the Cerbo/Venus.

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### 123SmartBMS gen3

123SmartBMS gen3 est un BMS modulaire facile à utiliser mais avancé pour maintenir vos batteries au lithium en parfait état, augmentant ainsi la durée de vie de la batterie. Le BMS mesure des données importantes telles que les tensions des cellules, les températures des cellules et les courants entrants et sortants grâce aux deux

### 123ELECTRIC BMS123 Smart Gen3

Power BMS123 Smart is the latest innovative solution for the lithium cell and battery pack monitoring and management, specifically designed for use in solar projects and energy storage application. Power Smart BMS is a complete ...



### 123SmartBMS gen3

123SmartBMS gen3 ist ein benutzerfreundliches und dennoch fortschrittliches, modulares BMS, das Ihre Lithiumbatterien in einwandfreiem Zustand hält und so die Lebensdauer des Batteriepakets verlängert. Das BMS misst wichtige Daten wie Zellspannungen, Zelltemperaturen sowie ein- und ausgehende Ströme mit den beiden mitgelieferten

### 123SmartBMS gen2

123SmartBMS is an easy to use yet advanced,

modular BMS to keep your lithium batteries in perfect condition, increasing the lifespan of the battery pack. The system measures important data like cell voltages, cell temperatures and in- and outgoing currents.



## 123/Smart BMS mit USB-Kabel

Um die Entwicklung benutzerdefinierter Raspberry Pi-Projekte zu beschleunigen, haben wir Code für den Raspberry Pi entwickelt. Dieser Code verbindet sich über das 123SmartBMS-zu-USB-Kabel mit dem BMS und kann die BMS-Daten auf Thingspeak hochladen. Weitere Installationsanweisungen finden Sie in unserem Github.

## 123SmartBMS- Erweiterungsmodul

123SmartBMS Extended Module ist ein Erweiterungsmodul für 123SmartBMS. Dieses Modul bietet viele Funktionen wie vier konfigurierbare Relais, einen dualen CAN-Bus, mehrere Arten von CAN-Ladegerätunterstützung und Isolationserkennung. oder die BMS-Daten in einem CAN-Bus-Netzwerk benötigen, ist das erweiterte Modul die perfekte Lösung.



## 123SmartBMS gen3

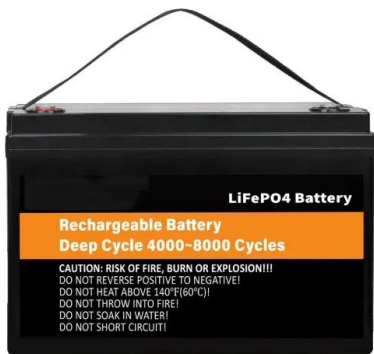
123SmartBMS gen3 is an easy to use yet advanced, modular BMS to keep your lithium batteries in perfect condition, increasing the lifespan of the battery pack. The BMS measures important data like cell voltages, cell temperatures and in- and outgoing currents with



the two included high accuracy, dual range current sensors.

## 123SmartBMS gen2

123SmartBMS is an easy to use yet advanced, modular BMS to keep your lithium batteries in perfect condition, increasing the lifespan of the battery pack. The system measures important data like cell voltages, cell temperatures and in- and outgoing currents. It also balances all cells to the same voltage during charging.



## 123 Smart BMS mit Bluetooth gen 3

123Smart BMS (gen 3) Komplet-Set (4 LiFePo4 Zellen - 12V) mit Bluetooth 4.0 LE Das 123 Smart BMS ist ein einfaches und intelligentes Batterie-Management-System. Es sorgt dafür, dass ihre Lithiumbatterien in einem perfekten Zustand ...

## 123SmartBMS documentation

The 123smartbms Battery Management System (or: BMS) is primarily intended for prismatic LiFePO4-cells, but can also be adapted by the end-user for other cells like Li-Ion and LiPo, provided the cell-voltage is in the range of 2V to 5V. The diagram shown on the right, gives a nice overview of a wired system consisting of a single pack of





 LFP 12V 200Ah

## 123SmartBMS: A Smart and Modular Battery Management System (BMS)

A smart modular Battery Management System (BMS) to keep your Lithium, LiFePO<sub>4</sub>, Lto, NMC, NCA batteries in perfect condition, extending the life of the battery pack. Simply connect your phone or victron GX device to the 123 Smart BMS to view relevant information about energy consumption, stored energy, incoming and outgoing current, cell

## 123electric

Das 123/SmartBMS Venus-Software wird dann die BMS-Informationen von allen verbundenen Packs in eine einzelne Manager-Einheit zusammenfassen, die dann verwendet werden kann, um alle verbundenen Victron-Geräte zu steuern. Diese Funktion ermöglicht größere Flexibilität und Skalierbarkeit in AkkuManagementSystemen und ist daher ideal für



## 123ELECTRIC BMS123 Smart Gen3

Power BMS123 Smart is the latest innovative solution for the lithium cell and battery pack monitoring and management, specifically designed for use in solar projects and energy storage application. Power Smart BMS is a complete system for working with LiFePO<sub>4</sub> and LiFeYPO<sub>4</sub> cells and batteries.

## 123smartbms programmable BMS chargers

SmartBMS is modular in design: each cell gets his own board, and the interconnection is a single wire. A central controller is no longer needed, as the final board reports all its collected data wirelessly to your smartphone or tablet via a Bluetooth 4.0 smart/low energy connection whenever you want to see the battery status.



## 123SmartBMS to USB

The 123SmartBMS to USB cable is a handy cable which can be used to display BMS data on the Victron Cerbo/Venus or for custom 123SmartBMS projects like on the Raspberry Pi. This code connects to the BMS via the 123SmartBMS to USB cable and can upload the BMS data to Thingspeak. For more installation instructions, please see our Github

## 123SmartBMS: Een slim en modulair Batterij Management Systeem (BMS)

Een slim en modulair BMS om uw Lithium, LiFePO4, Ito, NMC, NCA batterijen in perfecte staat te houden, waardoor de levensduur van het batterijpakket wordt verlengd. Verbind eenvoudig uw telefoon of victron GX apparaat met het 123 Smart BMS om relevante informatie te bekijken over het energieverbruik, opgeslagen energie, in- en uitgaande



## 123/SmartBMS

The following steps can help to connect to the BMS. If you have Android, make sure you have wireless connection AND location turned on. Restart the App and check in de Settings screen

if the BMS appears under "Devices". Tap on it to connect. ...



## 123 Smart BMS mit Bluetooth gen 3, 395,00

123Smart BMS (gen 3) Komplet-Set (8 LiFePo4 Zellen - 24V) mit Bluetooth 4.0 LE Das 123 Smart BMS ist ein einfaches und intelligentes Batterie-Management-System. Es sorgt dafür, dass ihre Lithiumbatterien in einem perfekten Zustand gehalten werden. Das System misst wichtige Daten wie Zellspannungen, Zelltemperaturen und Ein- und Austrittsströme.

### DETAILS AND PACKAGING



1 USER MANUAL PDF 2 RJ45 Cable For RS485/CAN 3 Battery in Parallel Cables  
4 RJ45 TO USB Monitor Cable 5 M8 Terminal\*4



## ?123SmartBMS im App Store

?123SmartBMS is an easy to use yet advanced, modular BMS to keep your lithium batteries in perfect condition, increasing the lifespan of the battery pack. The system measures important data like cell voltages, cell temperatures and in- and outgoing ...

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