

SolarTech Power Solutions

BMS-30A battery



Overview

What is a 4S 30A battery management system (BMS)?

1. Introduction The 4S 30A Battery Management System (BMS) is a critical component for managing and protecting lithium-ion battery packs configured in a 4-series (4S) arrangement. It is designed to handle a maximum continuous current of 30A, making it suitable for medium to high-power applications.

What BMS do I need for a 36V battery?

If you are building a 36V battery, you'll need a 36V BMS (or 10s) to match your battery. A 48V battery uses a 13s BMS and a 52V battery uses a 14s BMS. Just make sure you choose a BMS configured for the same amount of cells as the battery you are building. Also remember to check the discharge current.

What is Battery BMS 101?

Battery BMS 101 is an overview guide for those considering a DIY battery project. It covers everything you need to know when investing in a Battery Management System (BMS).

Can BMS be used for other battery packs?

Most important that it is strictly for 10S battery packs only. As a result, that they cannot be used for any other battery pack Configurations. In the same way all Parameters can be changed Via Bluetooth App or UART USB Connection with PC Monitoring Program .Default setting inside BMS are for Lithium-ion batteries.

How to customize BMS from 3s to 32s lithium batteries?

We can customize any BMS from 3S to 32S lithium batteries with current 10A to 250A. 1.Use top qualit (A-level) protective integrated circuit IC, from the solution of Seiko of Japan. 2.Strong load ability, constant discharge current

10A~250A , use high voltage resistance, low inner resistance power Mosfet. The heat sink will greatly help cooling.

Can a 4S 30A BMS be used with an Arduino Uno?

The 4S 30A BMS can be used in conjunction with an Arduino UNO to monitor battery pack voltage. Below is an example code to read the total battery voltage using an analog input pin. Connect the B+ terminal of the BMS to the positive input of a voltage divider circuit. Connect the B- terminal of the BMS to the ground of the Arduino.

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