



Lightweight BMS Battery Management Systems For Large Lithium Battery Packs

Our Product Introduction

Basic Information

- Place of Origin: Changsha, China
- Brand Name: HYZZ
- Certification: ISO9001, CE, CB, UN38.3
- Packaging Details: foam, wooden box / foam, carton, tray
- Delivery Time: 22 days
- Payment Terms: L/C, T/T
- Supply Ability: 10,000 PCS per month



Product Specification

- Features: Energy Saving
- Name: BMS Power Management System
- Model: BI5116 16S , BI5148 48S
- L X W X H: 184mmx 108.1mmx 31.2mm
- Working Environment: -20°C-60°C
- Applications: Medical Products
- Highlight: **li ion battery management system,
lithium ion battery monitoring system**

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Product Description

Lightweight BMS Battery Management Systems For Large Lithium Battery Packs

Main Products Application

- v Household Appliances
- v Medical Products
- v Automotive Products
- v Industrial Products
- v Communication Products(AVL/GPS/GSM Devices)
- v Consumer Electronics

Features:

- (1) SPI daisy chain structure

The BIU and BMU are connected by a daisy-chain topology, and the main board and the slave board can collect data of a total of BIU (16~48)+BMU*n string cells.

- (2) Single cell voltage collection

The BIU and BMU collect the individual cell voltages through a voltage acquisition module.

- (3) Temperature collection

The BIU and BMU collect the temperature of each battery module in the module through the NTC temperature sense.

- (4) PACK total voltage detection

The BIU has a PACK battery pack total voltage detection function.

- (5) CAN communication function

Each BIU has 3 CAN communications.

CAN0, used by the BIU to communicate with the CSU and obtain the current total current.

BMS is safety control and management system to monitor battery status in order to make battery better working and lengthen battery life time objectively. BMS is mainly used in high capacity li-ion/li-polymer/lifepo4 battery packs produce. BMS PCB board is advanced integration of management, protection, communication and self-diagnose and cell balancing.

functions:

1. Overcharge protection
2. Overdischarge protection
3. Overcurrent protection
4. Overheat protection(NTC)
5. Short circuit protection
6. Temperature sensing
7. Cell monitoring & balancing
8. Communication interface
9. Self-diagnose
10. Power gauge

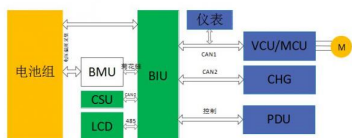
What Can The Mokosmart Solution Offer You?

1. PCB Design and Manufacturing
2. Enclosure Design and Manufacturing
3. Function Development and Customized Firmware
4. Customized APP
5. Package Design and Manufacturing
6. Certification services

		Number	HY00070
		Version	A0
	BI5116G BI5116G integrated electric Pool Management System Specification	Date	2019-5-7
1 Basic characteristics		Product picture	
Product name	BMSIntegrated BMS battery management system		
product code	BI5116G		
BMS:16S32S48S ,BMS integrated battery management system is divided into: 16S32S48S, weight and specifications are as follows :		system structure:	

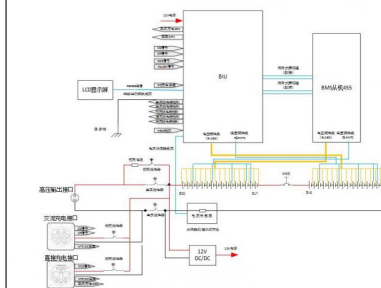
项目 Item	单位 Unit	规格 Specific
BIS116 外形尺寸	mm*mm*mm	184x 108.1x 31.2
BIS132 外形尺寸	mm*mm*mm	230x 108.1x 31.2
BIS148 外形尺寸	mm*mm*mm	276x 108.1x 31.2
BMS116 外形尺寸	mm*mm*mm	117.76 x 80.73 x 24.88
BIS116 重量	g	490
BIS132 重量	g	620
BIS148 重量	g	750
BMS116 重量	g	120

System topology:



price RMB:¥ 00.00

Delivery period 25 Working day



The battery management system is an important part of the electric vehicle system. The BIU series integrated BMS is designed for medium and low speed vehicles, using automotive grade components and IP54 protection. The product has strong scalability, which can complete the collection, management and control functions of a single box. It can also externally extend the application scenario of BMU to adapt to multiple cabinets. It is widely used in low-speed vehicles to meet the system management requirements of automotive-grade power battery packs. It is suitable for ternary lithium-ion batteries, lithium iron phosphate, lithium manganate, titanium. A secondary battery such as lithium acid having a cell voltage in the range of 0 to 5V. This product is mainly composed of a battery integrated management module BIU (BIU), display screen, shunt, wiring harness and other accessories. BIU can separately collect and manage 16/32/48 string batteries, and support up to 10 16-string slaves. Expansion. The system is extended with a daisy-chain topology to obtain battery sampling information in real time. When the electric vehicle system works, BIU communicates with the vehicle controller, intelligent charging device, instrument and other equipment through the CAN bus to display the status information, power, SOC, etc. of the battery pack. After the vehicle controller reads the BMS data, the motor is controlled by the intelligent motor controller. BMS can also communicate with on-board chargers and fast charging stations, and has connection confirmation functions such as charging port temperature detection, CC, CP, CC2 and other national standards.



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