



High Voltage BMS Battery Management System For Electric Vehicles / Golf Carts

Our Product Introduction

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Basic Information

- Place of Origin: Changsha, China
- Brand Name: HYZZ
- Certification: ISO9001, CE, CB, UN38.3
- Model Number: HY00070
- 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: SPI Daisy Chain Structure
- Name: BMS Power Management System
- Model: BI5116 16S
- L X W X H: 184mmx 108.1mmx 31.2mm , 276mmx 108.1mmx 31.2mm
- Working Environment: -20°C-60°C
- Applications: Sightseeing Cars
- Highlight: **li ion battery management system, lithium battery management system**

Product Description

High Voltage BMS Battery Management System For Electric Vehicles / Golf Carts

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.

CAN1, used by the BIU to communicate with the charger.

CAN2, used by the BIU to communicate with the vehicle VCU/MCU to receive commands and status information of the VCU/MCU.

(6) RS485 communication function

It can be connected to an external LCD display with 485 bus via 485 bus for power, voltage and current display, and program update is also possible.

(7) SOC, SOH, SOP calculation

The BIU calculates SOC and SOH, SOP based on parameters such as total current, total voltage, and voltage and temperature of the individual cells.

(8) Battery display

The BIU calculates the remaining power and displays it on the LCD, vehicle instrumentation, and calibration software.

(9) Drive relay / fan

The BIU controls the power-up and power-down of the load through the high-side drive.

(10) pre-fill module

When the BIU controls the load to be powered on, the main circuit load is pre-charged by the pre-charge module, and then power-on after completion. AUX+ can be used as a control for external precharge.

(11) Onboard insulation monitoring

Real-time monitoring of the high-voltage positive end to the car shell and the high-voltage negative end to the insulation resistance of the car shell, when the threshold is below a certain threshold, an alarm signal is issued.

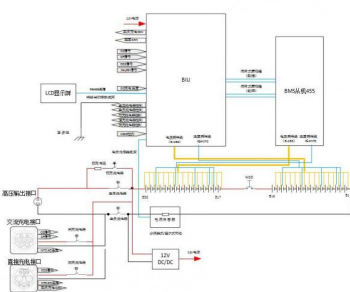
(12) Input signal detection

The BIU judges the working state and charging state of the vehicle by detecting the vehicle KeyOn wake-up signal and the charger wake-up signal.

(13) Key information is saved after power down

When the BMS detects that the system is powered down, it stores the key data of the system, such as the highest and lowest voltages and corresponding positions, SOC, current, and historical faults, in the FLASH of the MCU for storage.

Applications: new energy vehicles, electric vehicles, golf carts, sightseeing cars, sweepers, power

		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: 	
		The battery management system is an important	

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

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.

FAQ

- Q:Do you offer samples for testing?
A: Yes,we offer samples for testing with cost paid by buyer.
- Q:Do you have warranty?
A :Yes,Good after-sale service: 1 year warranty, provide the replacement or free accessory if any problems.
- Q:What is your factory's advantage?
A: We have 20 years experience in battery R&D, with100% quality management and product test.
- Q:Can you OEM/ODM the battery pack?
A: Yes,we are manufacturer,we have professional technical team. We can customized the battery and battery pack basedon your requirements.
- Q: What's the main product of you factory?
A: Our main product is LiFepo4,Li-polymer, Li-ion, NICD,NIMH rechargeable batteries,including PCM and the total power system solution.



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