



## 12 Volt BMS Battery Management System Integrated Balancing Bms Battery

Our Product Introduction

### 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: Battery Management System Lithium Ion
- 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: Golf Trolleys, Golf Carts,
- Highlight: **li ion battery management system, lithium ion battery monitoring system**

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## Product Description

### 12 Volt BMS Battery Management System Integrated Balancing Bms Battery

#### 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.

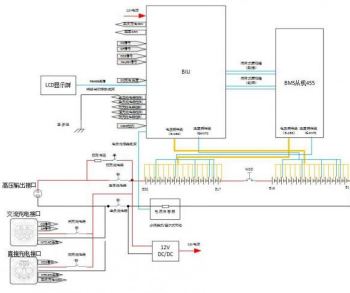
(5) CAN communication function

Each BIU has 3 CAN communications.

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

#### Applications:

1. Golf trolleys, Golf carts,
2. UPS backup
3. Fire alarm and security systems
4. Telecommunication equipment
5. Electric equipment and telemeter equipment
6. Light equipment, dc 12v led lights
7. Wireless lawn movers vacuum cleaner and washing machine
8. Toys and consumer electronics
9. Solar systems 12v
10. Portable power tools measuring and medical equipment
11. Portable video camera portable personal computer
12. Garden lighting
13. Sound systems

		Number	HY00070																											
		Version	A0																											
<b>BI5116G</b> <b>BI5116G</b> integrated electric Pool Management System Specification		Date	2019-5-7																											
<b>1 Basic characteristics</b>		Product picture																												
Product name	BMSIntegrated BMS battery management system																													
product code	<b>BI5116G</b>																													
<b>BMS:16S32S48S</b> ,BMS integrated battery management system is divided into: 16S32S48S, weight and specifications are as follows :																														
<table><tr><th>项目 Item</th><th>单位Unit</th><th>规格 Specific</th></tr><tr><td>BI5116 外形尺寸</td><td>mm*mm*mm</td><td>184x 108.1x 31.2</td></tr><tr><td>BI5132 外形尺寸</td><td>mm*mm*mm</td><td>230x 108.1x 31.2</td></tr><tr><td>BI5148 外形尺寸</td><td>mm*mm*mm</td><td>276x 108.1x 31.2</td></tr><tr><td>BMS116 外形尺寸</td><td>mm*mm*mm</td><td>117.76 x 80.73 x 24.88</td></tr><tr><td>BI5116 重量</td><td>g</td><td>490</td></tr><tr><td>BI5132 重量</td><td>g</td><td>620</td></tr><tr><td>BI5148 重量</td><td>g</td><td>750</td></tr><tr><td>BMS116 重量</td><td>g</td><td>120</td></tr></table>				项目 Item	单位Unit	规格 Specific	BI5116 外形尺寸	mm*mm*mm	184x 108.1x 31.2	BI5132 外形尺寸	mm*mm*mm	230x 108.1x 31.2	BI5148 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	BI5116 重量	g	490	BI5132 重量	g	620	BI5148 重量	g	750	BMS116 重量	g	120
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System topology:		<p><b>system structure:</b></p> 																												
		<p>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</p>																												
price	RMB:¥ 00.00																													

Delivery period	25 Working day	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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#### FAQ

1. Q:Do you offer samples for testing?

A: Yes,we offer samples for testing with cost paid by buyer.

2. Q:Do you have warranty?

A :Yes,Good after-sale service: 1 year warranty, provide the replacement or free accessory if any problems.

3. Q:What is your factory's advantage?

A: We have 20 years experience in battery R&D, with100% quality management and product test.

4. 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.

5. 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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