



东莞市轩璟电子有限公司

DONGGUAN XUANJING ELECTRONICS CO., LTD



COMPANY PROFILE

公司简介

东莞市轩璟电子有限公司，创立于2015年，坐落于广东省东莞市，是一家在锂离子电池保护板领域深耕细作的高新技术企业。

公司占地5000平方米，配备有现代化的标准无尘车间及行业内领先的生产设备，专致于电池保护板的全方位解决方案，从研发、生产、销售到客户服务，构建了一体化的运营体系。作为获得ISO9001质量管理体系认证的企业，轩璟电子始终坚持对品质的严格要求。

我们的产品矩阵涵盖了硬件锂电池保护板和智能锂电池保护板两大系列，广泛应用于各类启动电源，电动车电池，后备电源系统，户外照明以及家用储能等多个领域，满足了市场对高品质和高安全电池管理系统的需求。

近十年来，轩璟电子凭借持续的技术革新与深厚的研发实力，已在锂电池保护板的设计与研发上取得了显著成就，跃居行业前列。公司聚焦于提升电池保护技术的可靠性和效能，以创新为驱动，不断优化产品结构，确保每一块保护板都能在各种应用场景下发挥最佳性能。

依托于强大的生产能力与严谨的质量控制体系，轩璟电子致力于为全球客户提供安全、高效、定制化的电池保护方案。面向未来，我们将继续秉承“科技引领、质量至上、服务全球”的企业宗旨，加强国际合作，拓展更广阔的应用市场，为推动新能源产业的进步与可持续发展贡献最大的力量。

Established in 2015, Dongguan Xuanjing Electronics Co., Ltd, located at Dongguan, China. It is a high-tech enterprise specializing in lithium-ion battery protection board (BMS).

Our company covers an area of 5000 square meters and it is equipped with modern, standard cleanroom and industry-leading production equipment. Dedicated to providing comprehensive solution for battery protection board, it has built an integrated operating system encompassing R&D, production, sales, and customer service. As an ISO9001 quality management system certified company, Xuanjing (XJ BMS) consistently adheres to strict quality requirements.

Our products cover two major series: hardware lithium battery protection board and smart lithium battery protection board. These are widely used in various starting power supply, electric vehicle battery, backup power system, outdoor lighting and home energy storage system, meeting the market's demand for high-quality and high-safety battery management system.

Over the past decade, Xuanjing (XJ BMS) has achieved remarkable success in the design and development of lithium battery protection board, ranking among the industry leader, thanks to continuous technological innovation and strong R&D capability. Our company focuses on improving the reliability and efficiency of battery protection technology, driven by innovation and continuously optimize product structure to ensure that every protection board performs optimally in various application scenarios.

Leveraging the strong production capability and rigorous quality control system, Xuanjing (XJ BMS) is committed to provide safe, efficient, and customized battery protection solution to the global customers. Looking to the future, we will continue to uphold our corporate mission of "Technology Leadership, Quality First and Global Service," strengthen international cooperation, expand into broader application market and contribute our utmost to promoting the progress and sustainable development of the new energy industry.

COMPANY MISSION, VISION AND VALUES

公司使命愿景和价值观

使命:让绿色能源更安全、更智能
Mission : Make green energy safer and smarter

愿景:成为世界一流的新能源解决方案提供商
Vision : To be a world - class new energy solution provider

Values (价值观)



DEVELOPMENT HISTORY

发展历程

2025.4-至今

2025-至今 企业第二个五年计划,计划在中东和北美成立分公司
2025-Present: The second five-year plan, plan to establish the branches in the Middle East and North America

2025.4

2025年4月公司全面导入MES系统
On April 2025, Xuanjing imported the MES system fully

2023-2024

2023-2024 企业成功引入YMH高速贴片线2条,涂覆线2条
2023-2024, Xuanjing successfully imported 2 YMH high-speed SMT lines and 2 coating lines

2021-2022

2021-2022 成立深圳办事处,扩展海外市场
2021-2022 Shenzhen office established, expand overseas market

2018-2020

2018-2020 通过ISO9001认证,扩产搬迁至塘厦,东莞
2018-2020 Passed ISO9001 certification, expanded production and moved to Tangxia, Dongguan

2016-2017

2016-2017 开发多串保护板, RoHS和Reach认证, 实施绿色生产
2016-2017 Developed multi-string protection boards, obtained RoHS and Reach certifications, and implemented green production

2015

2015 年成立公司,研发和成产锂电池保护板
2015 Xuanjing was established to develop and produce lithium battery protection boards

PRODUCT OVERVIEW

产品概述

轩璟电子旗下BMS涵盖电动车BMS、家庭储能BMS、汽车启动BMS, 数码产品BMS等类别, 拥有2500余个规格, 支持3.2V-92V, 1S-25S, 1A-300A, 满足三元锂、磷酸铁锂、钠离子电池等电池在动力、储能领域的应用需求, 并可实现个性化定制生产。

XJ Electronics' BMS covers electric vehicle BMS, home energy storage BMS, car starter BMS, digital product BMS and other categories. With more than 2,500 specifications, support 3.2V-92V, 1S-25S, 1A-300A, meet the application requirements of ternary lithium, lifepo4, sodium-ion and other batteries in the fields of power and energy storage, and can also realize personalized customized production.



便捷储能 Portable Energy Storage



电动工具 Electric Tools



电动滑板车 E-Scooter



电动汽车 Electric Car



高尔夫球车 Golf Cart



家庭储能 Home Energy Storage



两轮车 Two Wheeler



数码产品 Digital Products



太阳能板 Solar Panel



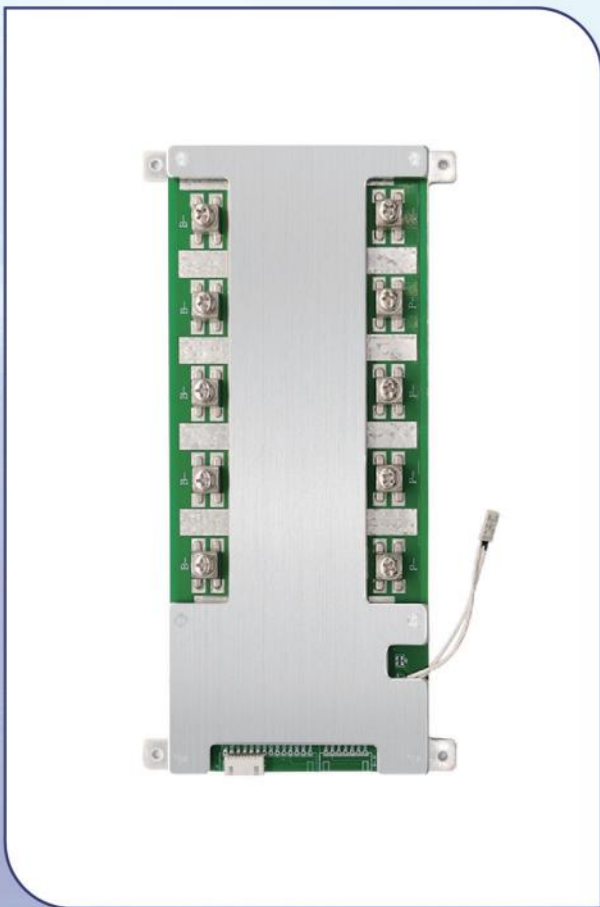
无人机 Drones

ELECTRIC VEHICLE BMS

电动车保护板

电动汽车应用 Electric Vehicle Applications





产品规格描述 Product specification description

- **型号: XJ-D038V5**
Model: XJ-D038V5
- **串数/ 工作电流: 4-20串, 150-300安**
Series/ Working Current: 4S-20S, 150A-300A
- **电池类型: 3.7V 三元锂电池 / 3.2V 磷酸铁锂电池**
Battery Type: 3.7V NMC/3.2V LFP
- **均衡/温控/弱电开关: 可选配, 定制**
Balance /NTC/Weak Current Switch : Optional, customized
- **输出方式: 同口**
Output method : Common port
- **最大工作电流: 300安**
Max Working Current: 300A
- **PCB 尺寸: 长240mm*宽 122mm* 厚10mm**
PCB Size : L 240mm*W 122mm*T 10mm

XJ-D386



产品规格描述 Product specification description

- **型号: XJ-D386**
Model: XJ-D386
- **串数/ 工作电流: 4-24串, 50-150安**
Series/ Working Current: 4S-24S, 50A-150A
- **电池类型: 3.7V 三元锂电池/ 3.2V 磷酸铁锂电池**
Battery Type: 3.7V NMC/3.2V LFP
- **温控: 可选配, 定制**
NTC : Optional, customized
- **输出方式: 同口**
Output method : Common port
- **最大工作电流: 100安**
Max Working Current: 100A
- **PCB 尺寸: 长110mm*宽 85mm* 厚12mm**
PCB Size : L 110mm*W 85mm*T 12mm



产品规格描述 Product specification description

- **型号: XJ-D068**
Model: XJ-D068
- **串数/ 工作电流: 4-21串, 20-40安**
Series/ Working Current: 4S-21S, 20A-40A
- **电池类型: 3.7V三元锂电池/3.2V磷酸铁锂电池/ 3.0V钠离子电池**
Battery Type: 3.7V NMC/3.2V LFP/ 3.0V SIB
- **均衡/温控: 可选配, 定制**
Balance/NTC : Optional, customized
- **输出方式: 同口**
Output method: Common port
- **最大工作电流: 40安**
Max Working Current: 40A
- **PCB 尺寸: 长100mm*宽 60mm* 厚10mm**
PCB Size : L 100mm*W 60mm*T 10mm

XJ-D098



产品规格描述 Product specification description

- **型号: XJ-D098**
Model: XJ-D098
- **串数/ 工作电流: 4-14串, 20-50安**
Series/ Working Current: 4S-14S, 20A-50A
- **电池类型: 3.7V三元锂电池/3.2V磷酸铁锂电池/ 3.0V钠离子电池**
Battery Type: 3.7V NMC/3.2V LFP/ 3.0V SIB
- **均衡/温控: 可选配, 定制**
Balance/NTC : Optional, customized
- **输出方式: 同口**
Output Method: Common port
- **最大工作电流: 50安**
Max Working Current: 50A
- **PCB 尺寸: 长100mm*宽 60mm* 厚8mm**
PCB Size : L 100mm*W 60mm*T 8mm

XJ-D198



产品规格描述 Product specification description

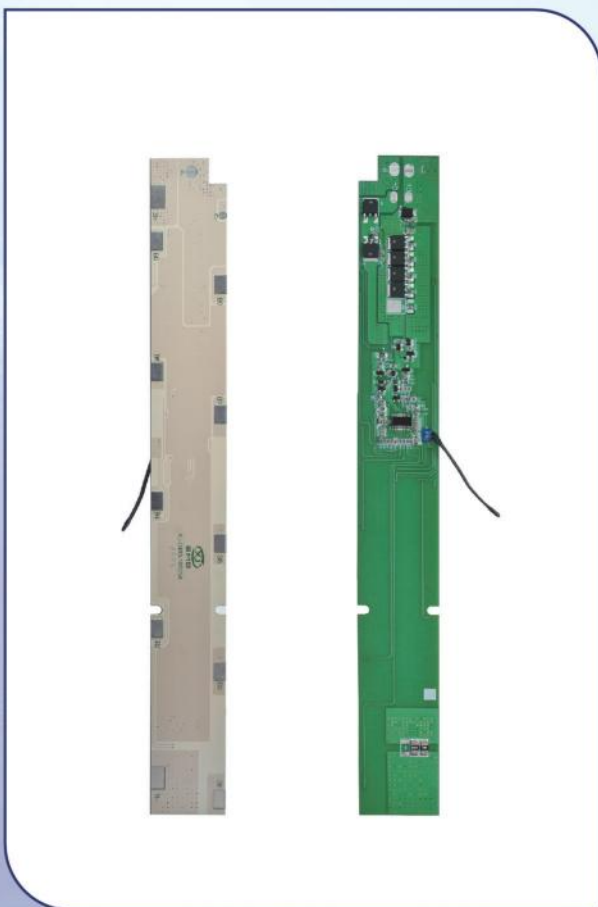
- **型号: XJ-D198**
Model: XJ-D198
- **串数/ 工作电流: 13串, 10-25安**
Series/ Working Current: 13S 10A-25A
- **电池类型: 3.7V 三元锂电池**
Battery Type: 3.7V NMC
- **温控 : 有**
NTC: Yes
- **输出方式: 分口**
Output Method : Separate Port
- **最大工作电流: 25A**
Max Working Current: 25A
- **PCB 尺寸: 长60mm*宽 32mm* 厚10mm**
PCB Size : L 60mm*W 32mm*T 10mm

XJ-D203



产品规格描述 Product specification description

- **型号: XJ-D203**
Model: XJ-D203
- **串数/ 工作电流: 10串, 10-20安**
Series/ Working Current: 10S 10A-20A
- **电池类型: 3.7V 三元锂电池**
Battery Type: 3.7V NMC
- **温控 : 有**
NTC: Yes
- **输出方式: 分口**
Output Method: Separate Port
- **最大工作电流: 20A**
Max Working Current: 20A
- **PCB 尺寸: 长60mm*宽 32mm* 厚7.5mm**
PCB Size : L 60mm*W 32mm*T 7.5mm



产品规格描述 Product specification description

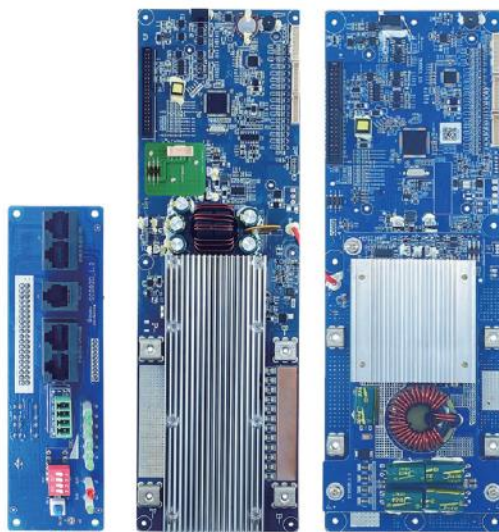
- **型号: XJ-D493**
Model: XJ-D493
- **串数/ 工作电流: 10串, 15-20安**
Series/ Working Current: 10S 15A-20A
- **电池类型: 3.7V 三元锂电池**
Battery Type: 3.7V NMC
- **温控: 有**
NTC: Yes
- **输出方式: 分口**
Output Method: Separate Port
- **最大工作电流: 20A**
Max Working Current: 20A
- **PCB 尺寸: 长296mm*宽 34mm* 厚4mm**
PCB Size : L 296mm*W 34mm*T 4mm

HOME ENERGY STORAGE BMS

家庭储能保护板

家庭储能应用

Home Energy Storage Applications

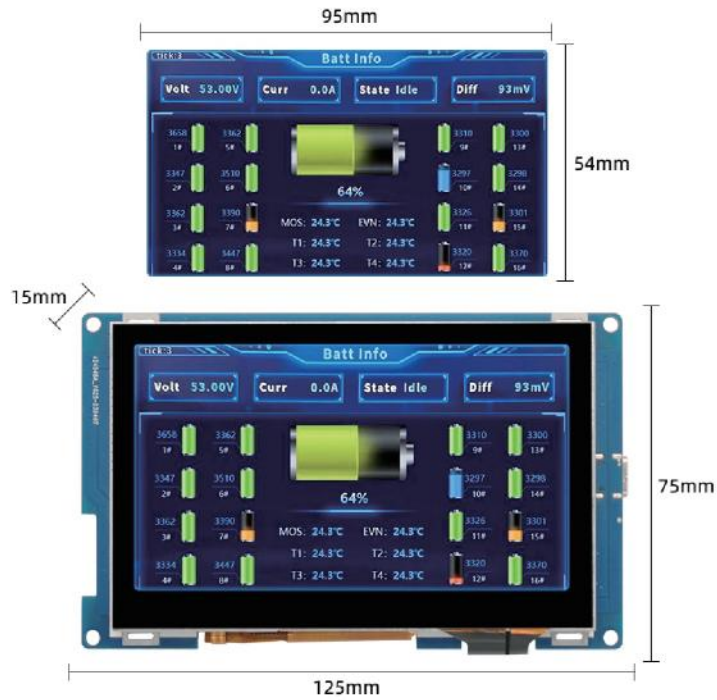


产品规格描述 Product specification description

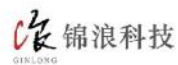
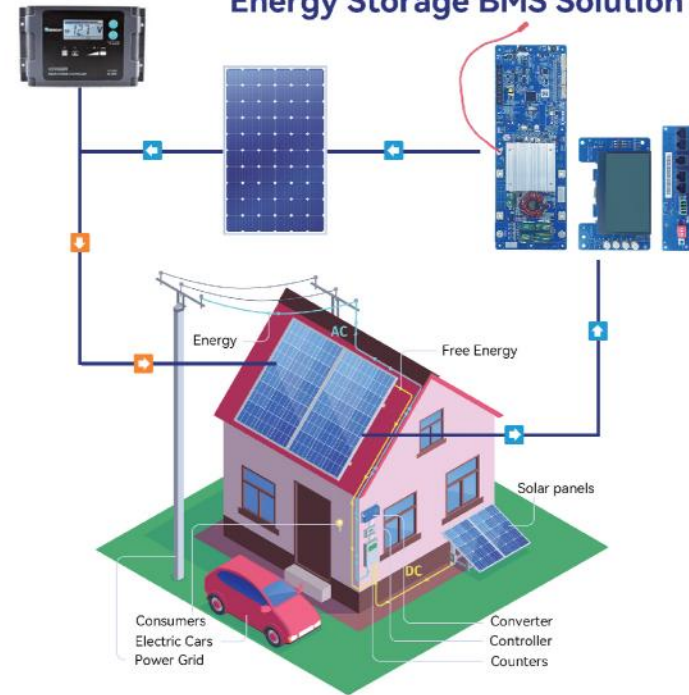
- **型号: XJ-SH05**
Model: XJ-SH05
- **串数/ 工作电流: 7-16串, 100-200安**
Series/ Current: 7S-16S, 100A-200A
- **电池类型: 3.7V 三元锂电池/ 3.2V 磷酸铁锂电池**
Battery Type: 3.7V NMC/3.2V LFP
- **均衡/温控: 有**
Balance/NTC: YES
- **版本: 蓝牙/按键屏/4.3英寸触摸屏**
Version: Bluetooth /Button Screen /4.3inch Touch Screen
- **通讯: RS485 /RS232/ CAN**
Communication: RS485 /RS232/ CAN
- **CAN: 派能/古瑞瓦特/日月元/鹏城/维肯/锦浪等**
CAN :Pylontech/Growatt/Luxpowertek/ Victron/Ginlong etc.
- **RS485: 派能/古瑞瓦特/日月元/德业/鹏城/施耐德/伊顿/美世乐等**
RS485: Pylontech/Growatt/Voltronic/Deye/ Luxpowertek/ Schneider/Eaton/MUST etc
- **PCB 尺寸: 长350mm*宽 110mm* 厚15mm**
PCB Size: L 350mm*W 110mm*T 15mm



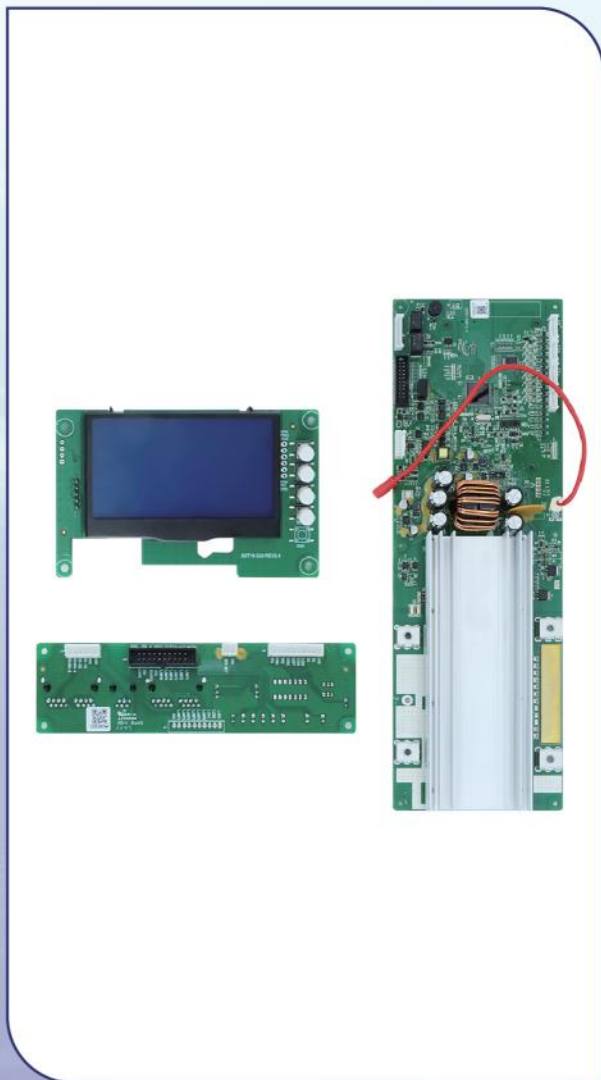
High Definition Display



Committed To Creating One-stop Energy Storage BMS Solution



Support Customization



产品规格描述 Product specification description

- **型号: XJ-CJ**
Model: XJ-CJ

- **串数/ 工作电流: 13-16串, 100-200安**
Series/ Current: 13S-16S ,100A-200A

- **电池类型: 3.7V 三元锂电池/ 3.2V 磷酸铁锂电池**
Battery Type: 3.7V NMC/3.2V LFP

- **均衡/温控: 有**
Balance/NTC : YES

- **版本: 蓝牙/按键屏/触摸屏/WiFi**
Version: Bluetooth /Button Screen/Touch Screen/WiFi

- **通讯: RS485 /RS232/ CAN**
Communication: RS485 /RS232/ CAN

- **CAN: 派能/古瑞瓦特/日月元/鹏城/维肯/锦浪等**
CAN : Pylontech/Growatt/Luxpowertek/ Victron/Ginlong etc.

- **RS485: 派能/古瑞瓦特/日月元/德业/鹏城/施耐德/伊顿/美世乐等**
RS485: Pylontech/Growatt/Voltronic/Deye/ Luxpowertek/ Schneider/Eaton/MUST etc

- **PCB 尺寸: 长300mm*宽 100mm* 厚15mm**
PCB Size: L 300mm*W 100mm*T 15mm

Bluetooth communication

Cell phone Bluetooth APP Overkill BMS, installed in the phone personal lithium battery housekeeper, a variety of information at a glance



APP supports Apple
Android system installation

APP supports multiple languages
Automatic switching with mobile phone system



You can freely choose mobile APP, computer host computer or home storage display according to actual needs.



Mobile APP

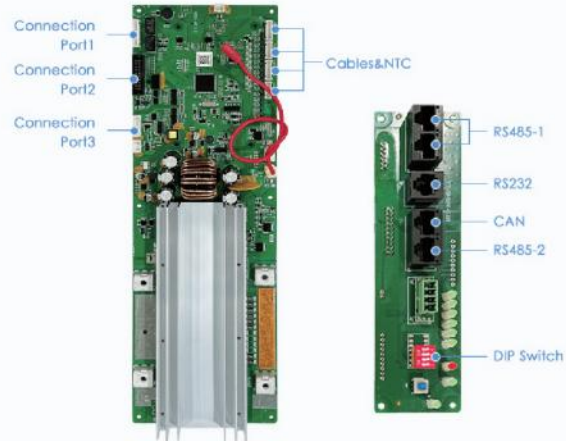


PC software



XJBMS storage display

Three Communication Modes Mainstream Interface, Self-switching



Multifunctional Integrated Design Boost Assembly Efficiency Comprehensively



Indicator Light
Communication Module



Flexible Terminal

Buzzer
B+ interface



Support
Customization

Bluetooth Lithium Battery Protection Board

蓝牙锂电池保护板

蓝牙锂电池保护板应用 Application of Bluetooth Lithium Battery Protection Board



XJ-F001

(蓝牙款)

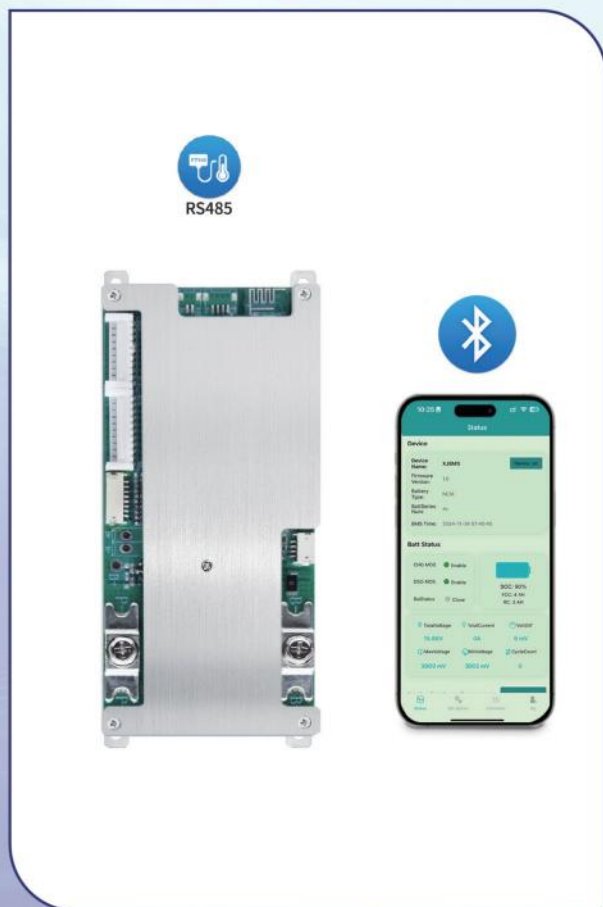


产品规格描述 Product specification description

- **型号: XJ-F001**
Model: XJ-F001
- **串数/ 工作电流: 6-24串, 50-220安**
Series/ Working Current: 6S-24S, 50A-220A
- **电池类型: 3.7V 三元锂电池/3.2V磷酸铁锂电池/3.0V钠离子电池**
Battery Type: 3.7V NMC/ 3.2V LFP/ 3.0V SIB
- **均衡/温控: 有, 内置2A主动均衡**
Balance/NTC :Yes, built-in 2A active balance
- **输出方式: 同口**
Output Method :Common port
- **最大工作电流: 220安**
Max Working Current: 200A
- **PCB尺寸: 长225mm*宽95mm*厚18mm**
PCB Size :L 225mm*W 95mm*H 18mm
- **特点: 带RS485+CAN+GPS+蓝牙; 内置2A主动均衡; 带温控; 弱电开关; 独立密码保护; 200+条数据储存; 支持DIY电池串数; 支持苹果/安卓双系统, 多种语言**
Feature: With RS485+CAN+GPS+BT; Built-in 2A active balance; With temperature sensor; Weak current switch; One-click battery parameter setting; Independent password protection; 200+ data storage; Support DIY battery string number; Support iOS/Android dual systems, multiple languages

XJ-F002

(蓝牙款)

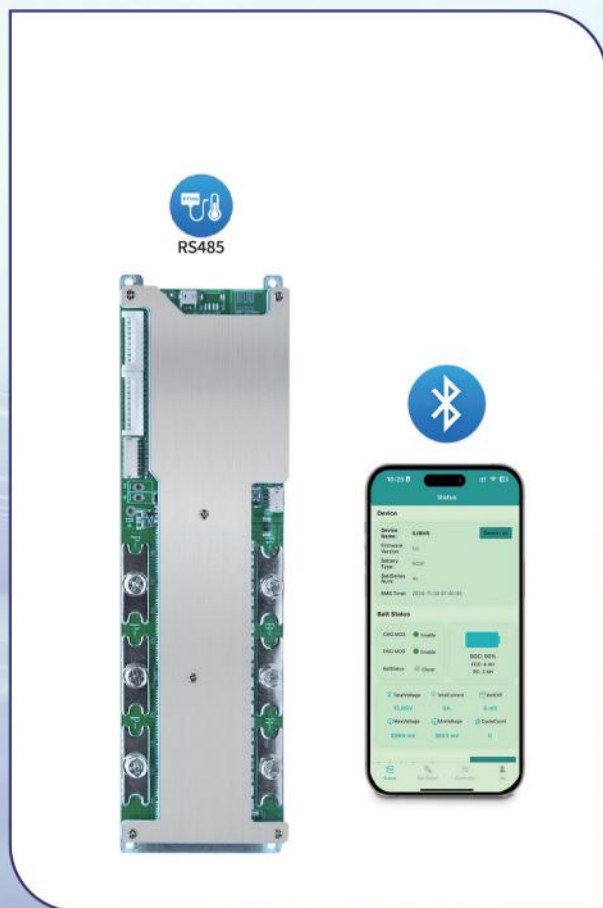


产品规格描述 Product specification description

- **型号: XJ-F002**
Model: XJ-F002
- **串数/ 工作电流: 4-20串, 30-120安**
Series/ Working Current: 4S-20S, 30A-120A
- **电池类型: 3.7V 三元锂电池/3.2V磷酸铁锂电池/3.0V钠离子电池**
Battery Type: 3.7V NMC/ 3.2V LFP/ 3.0V SIB
- **均衡/温控: 有, 4路温控**
Balance/NTC :Yes, 4 Temperature sensors (NTC)
- **输出方式: 同口**
Output Method :Common port
- **最大工作电流: 120安**
Max Working Current: 120A
- **PCB尺寸: 长136mm*宽63mm*厚14mm**
PCB Size :L 136mm*W 63mm*T 14mm
- **特点: 带RS485+蓝牙; 四路温控; 弱电开关; 加热功能; 独立密码保护; 340+条数据储存; 支持DIY电池串数; 支持苹果/安卓双系统, 多种语言**
Feature: With RS485+BT; 4 Temperature sensors (NTC) ; Weak current switch; Heating function ; One-click battery parameter setting; Independent password protection; 340+ data storage; Support DIY battery string number; Support iOS/Android dual systems, multiple languages

XJ-F002A

(蓝牙款)

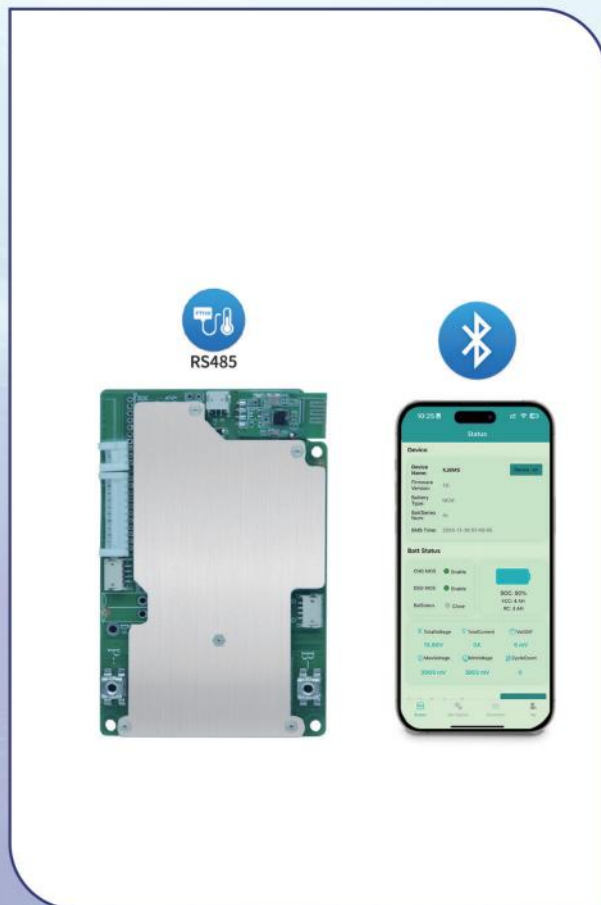


产品规格描述 Product specification description

- **型号: XJ-F002A**
Model: XJ-F002A
- **串数/ 工作电流: 4-20串, 150-250安**
Series/ Working Current: 4S-20S 150A-250A
- **电池类型: 3.7V 三元锂电池/ 3.2V 磷酸铁锂电池/ 3.0V 钠离子电池**
Battery Type: 3.7V NMC/3.2V LFP/3.0V SIB
- **均衡/温控: 有**
Balance / NTC: Yes
- **输出方式: 同口**
Output Method: Common port
- **最大工作电流: 250安**
Max Working Current: 250A
- **PCB 尺寸: 长210mm*宽 63mm* 厚14mm**
PCB Size : L 210mm*W 63mm*T 14mm
- **特点: 带RS485+蓝牙; 四路温控; 弱电开关; 加热功能; 独立密码保护; 340+条数据储存; 支持DIY电池串数; 支持苹果/安卓双系统, 多种语言**
Feature: With RS485+BT; 4 Temperature sensors (NTC); Weak current switch; Heating function; One-click battery parameter setting; Independent password protection; 340+ data storage; Support DIY battery string number; Support iOS/Android dual systems, multiple languages

XJ-F002C

(蓝牙款)



产品规格描述 Product specification description

● **型号: XJ-F002C**

Model: XJ-F002C

● **串数/ 工作电流: 4-20串 30-60A**

Series/ Working Current: 4S-20S 30A-60A

● **电池类型: 3.7V 三元锂电池/ 3.2V 磷酸铁锂电/ 3.0V 钠离子电池**

Battery Type: 3.7V NMC/ 3.2V LFP/ 3.0V SIB

● **均衡/温控: 有**

Balance / NTC : Yes

● **输出方式: 同口**

Output method: Common port

● **最大工作电流: 60A**

Max Working Current: 60A

● **PCB尺寸: 长100mm*宽65mm*厚9mm**

PCB Size: L 100mm*W 65mm*T 9mm

● **特点: 带RS485+蓝牙; 两路温控; 弱电开关; 加热功能; 独立密码保护; 340+条数据储存; 支持DIY电池串数; 支持苹果/安卓双系统, 多种语言**

Feature: With RS485+BT; 2 Temperature sensors (NTC) ; Weak current switch; Heating function; One-click battery parameter setting; Independent password protection; 340+ data storage; Support DIY battery string number; Support iOS/Android dual systems, multiple languages

XJ-F005

(蓝牙款)



产品规格描述 Product specification description

● **型号: XJ-F005**

Model: XJ-F005

● **串数/工作电流: 21-24串, 30-140安**

Series/Working Current: 21S-24S, 30A-140A

● **电池类型: 3.7V 三元锂电池/ 3.2V 磷酸铁锂电池/ 3.0V 钠离子电池**

Battery Type: 3.7V NMC/3.2V LFP/3.0V SIB

● **均衡/ 温控: 有**

Balance/ NTC : Yes

● **输出方式: 同口**

Output Method: Common port

● **最大工作电流: 140安**

Max Working Current: 140A

● **PCB尺寸: 长155mm*宽70mm*厚12mm**

PCB Size: L 155mm*W 70mm*T 12mm

● **特点: 带RS485+蓝牙; 四路温控; 弱电开关; 加热功能; 独立密码保护; 340+条数据储存; 支持DIY电池串数; 支持苹果/安卓双系统, 多种语言**

Feature: With RS485+BT; 2 Temperature sensors (NTC); Weak current switch; Heating function; One-click battery parameter setting; Independent password protection; 340+ data storage; Support DIY battery string number; Support iOS/Android dual systems, multiple languages

可以通过蓝牙连接App或者微信小程序查看各种电池信息

You can connect to the App or Wechat applet via Bluetooth to view various battery information



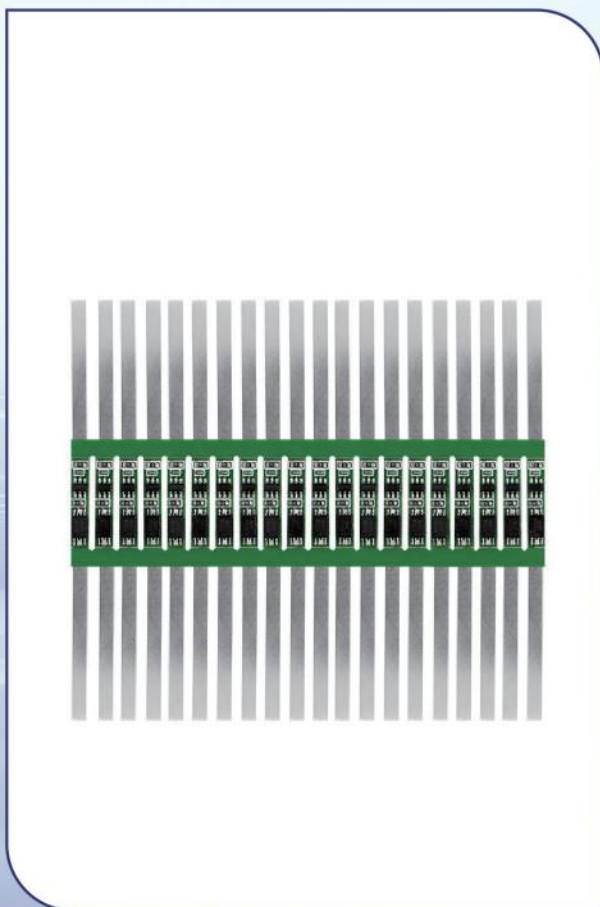
支持IOS/Android双系统
Support IOS/Android dual system

支持多种语言，随手机系统自动切换
Supports multiple languages, and switched automatically
with mobile phone system

3C Digital Products BMS

3C数码保护板

XJ-1836-8



产品规格描述 Product specification description

● 型号: XJ-1836-8

Model: XJ-1836-8

● 串数/ 工作电流: 1串, 2安

Series/ Working Current: 1S, 2A

● 峰值电流: 2.8安

Peak Current: 2.8A

● 特点: 带镍带

Feature: With Nickle Strip



POS 机 POS Machine



小风扇 Small Fan

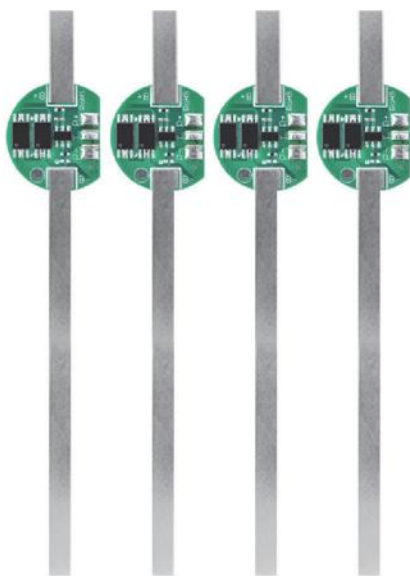


音响 Speaker

XJ-#18T-1S

产品规格描述 Product specification description

- **型号: XJ-#18T-1S**
Model: XJ-#18T-1S
- **串数/ 工作电流: 1串,1.5-3安**
Series/ Working Current: 1S, 1.5A-3A
- **峰值电流: 6安**
Peak Current: 6A
- **特点: 带镍带**
Feature: With Nickle Strip



手电筒 Flashlight



LED台灯 LED table lamp

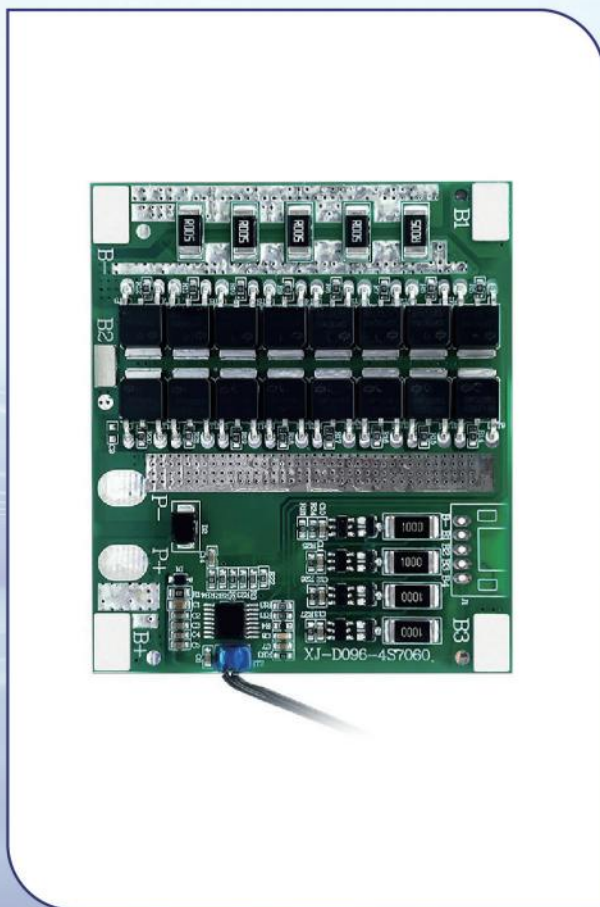


充电宝 Power bank

Other BMS

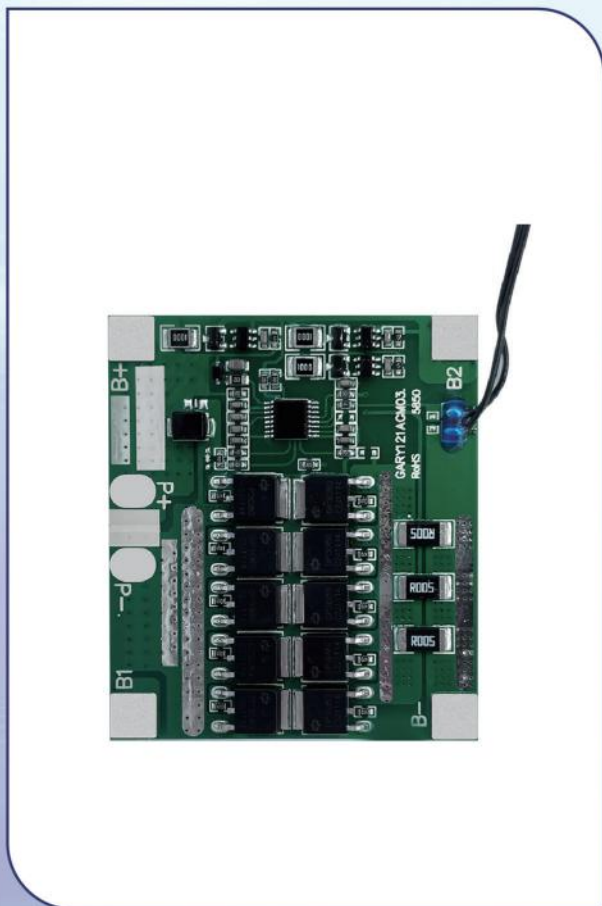
其他电池保护板

XJ-D096



产品规格描述 Product specification description

- **型号: XJ-D096**
Model: XJ-D096
- **串数/ 工作电流: 4串 20-40安**
Series/ Working Current: 4S 20A-40A
- **电池类型: 3.7V 三元锂电池/ 3.2V 磷酸铁锂电池**
Battery Type: 3.7V NMC/3.2V LFP
- **均衡/ 温控: 有**
Balance/NTC : Yes
- **输出方式: 同口**
Output Method: Common port
- **最大工作电流: 40安**
Max Working Current: 40A
- **PCB 尺寸: 长78mm*宽 60mm* 厚6mm**
PCB Size : L 78mm*W 60mm*T 6mm



产品规格描述 Product specification description

- **型号: XJ-D102**
Model: XJ-D102
- **串数/ 工作电流: 3串 10-25安**
Series/ Working Current: 10S 10A-25A
- **电池类型: 3.7V 三元锂电池/ 3.2V 磷酸铁锂电池**
Battery Type: 3.7V NMC/3.2V LFP
- **均衡/ 温控: 有**
Balance/NTC: Yes
- **输出方式: 同口**
Output Method: Common port
- **最大工作电流: 25安**
Max Working Current: 25A
- **PCB 尺寸: 长58mm*宽 50mm* 厚4mm**
PCB Size : L 58mm*W 50mm*T 4mm

XJ-D430



产品规格描述 Product specification description

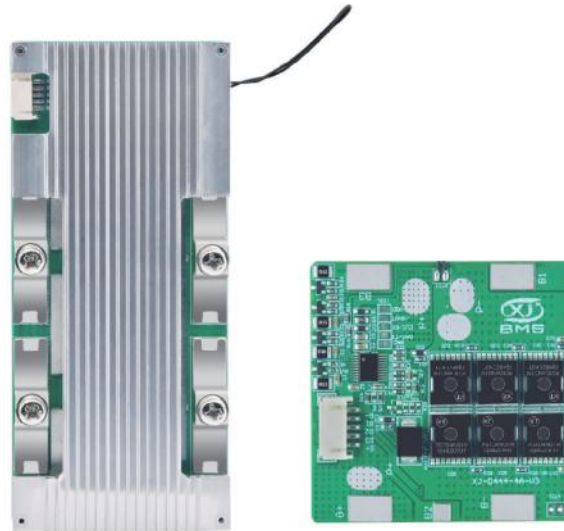
- **型号: XJ-D430**
Model: XJ-D430
- **串数/ 工作电流: 4串 5-25安**
Series/ Working Current: 4S 5A-25A
- **电池类型: 3.7V 三元锂电池**
Battery Type: 3.7V NMC
- **输出方式: 同口**
Output Method: Common port
- **最大工作电流: 25安**
Max Working Current: 25A
- **PCB 尺寸: 长65mm*宽 36mm* 厚8mm**
PCB Size :L 65mm*W 36mm*T 8mm

STARTING BMS

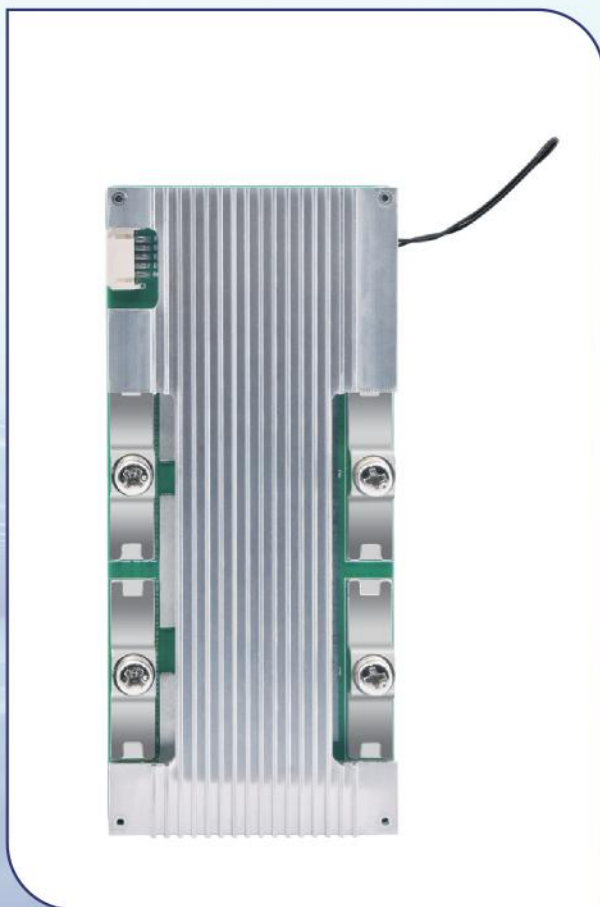
启动电源保护板

启动电源应用

Starting BMS Applications



XJ-D426

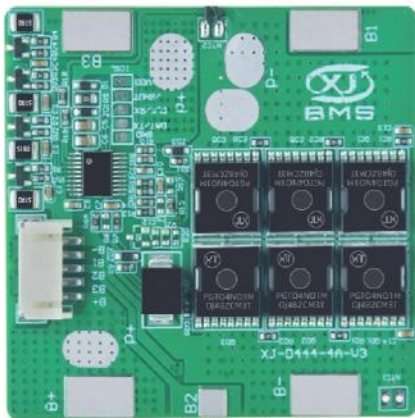


产品规格描述 Product specification description

- **型号: XJ-D426**
Model: XJ-D426
- **串数/ 工作电流: 4串 100-120安**
Series/ Working Current: 4S 100A-120A
- **电池类型: 3.2V 磷酸铁锂电池**
Battery Type: 3.2V LFP
- **均衡/ 温控: 有**
Balance/NTC: Yes
- **输出方式: 同口**
Output Method: Common port
- **主动均衡接口: 外接主动均衡器接口座子**
Active Balancing Interface: External active equalizer interface
- **最大工作电流: 120安**
Max Working Current: 120A
- **峰值电流: 400A-900安**
Peak Current: 400A-900A
- **PCB 尺寸: 长145mm*宽 65mm* 厚13mm**
PCB Size : L 145mm*W 65mm*T 13mm
- **应用场景: 主要应用于汽车启动**
Application : Mainly used for starting vehicles

产品规格描述 Product specification description

- **型号: XJ-D444**
Model: XJ-D444
- **串数/ 工作电流: 4串 15-40安**
Series/ Working Current: 4S 15A-40A
- **电池类型: 3.7V 三元锂电池/ 3.2V 磷酸铁锂电池**
Battery Type: 3.7V NMC/ 3.2V LFP
- **均衡/温控: 有**
Balance / NTC : Yes
- **输出方式: 同口**
Output Method: Common port
- **最大工作电流: 40安**
Max Working Current: 40A
- **均衡电流最大80毫安**
Max balancing current 80mA
- **PCB 尺寸: 长65mm*宽 60mm* 厚4mm**
PCB Size : L 52mm*W 17mm*T 5mm
- **应用场景: 摩托车启动保护板**
Application : Motorcycle starting BMS



ACTIVE BALANCER

主动均衡保护板

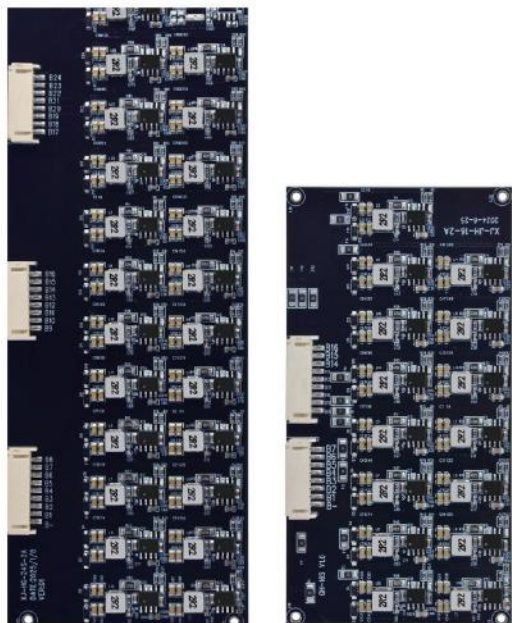
XJ-JH-2A

产品规格描述 Product specification description

型号: XJ-JH-2A

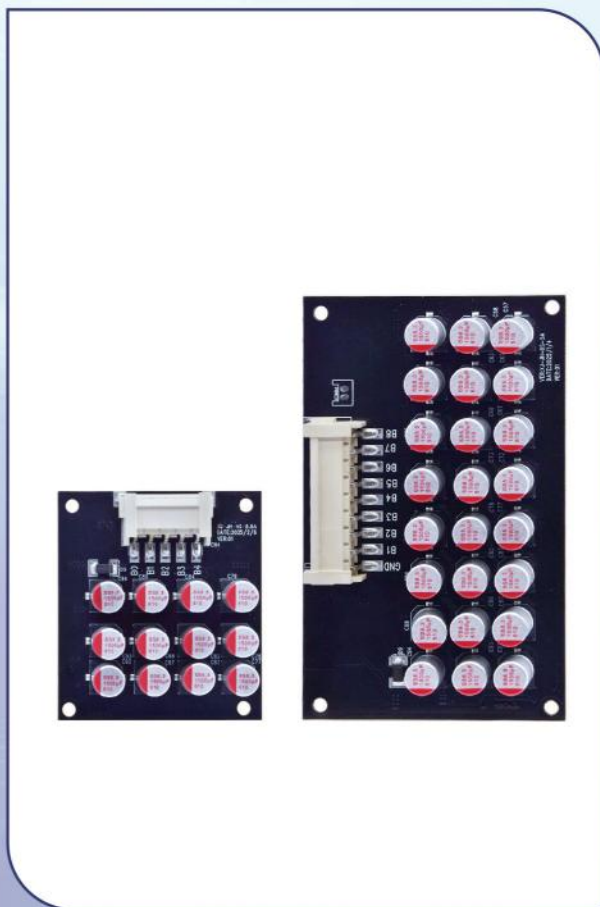
Model: XJ-JH-2A

- **串数/ 工作电流: 2-24串 2安**
Series/ Balancing Current: 2S-24S 2A
- **电池类型: 3.7V三元锂电池/3.2V磷酸铁锂电池**
Battery Type: 3.7V NMC/3.2V LFP
- **输入电压范围: 2.8V-4.20V**
Input Voltage Range: 2.8V-4.20V
- **电量均衡启动条件: 压差 $\geq 45\text{mV} \pm 15\text{mV}$**
Battery Balancing Start-up Conditions: Voltage difference $\geq 45\text{mV} \pm 15\text{mV}$
- **均衡停止条件: 单节电池电压小于 $2.8\text{V} \pm 15\text{mV}$; 相邻电池压差值小于 40mV**
Balancing Stop Condition: The voltage of a single battery is less than $2.8\text{V} \pm 15\text{mV}$; Voltage difference between adjacent batteries is less than 40mV
- **均衡精密度: $30\text{mV} \pm 15\text{mV}$**
Accuracy Of Equalization: $30\text{mV} \pm 15\text{mV}$
- **均衡静态功耗: $15\mu\text{A}$**
Balanced Static Power Consumption: $15\mu\text{A}$
- **工作储存温度: $-15^{\circ}\text{C}-65^{\circ}\text{C}$**
Operating Storage Temperature: $-15^{\circ}\text{C}-65^{\circ}\text{C}$



产品规格描述 Product specification description

- **型号: XJ-JH-5A**
Model: XJ-JH-5A
- **串数/ 均衡电流: 4-16串 5安**
Series/ Balancing Current: 4S-16S 5A
- **电池类型: 3.7V三元锂电池/3.2V磷酸铁锂电池**
Battery Type: 3.7V NMC/3.2V LFP
- **输入电压范围: 3.0V-4.20V**
Input Voltage Range: 3.0V-4.20V
- **电量均衡启动条件: 压差 $\geq 20\text{mV} \pm 5\text{mV}$**
Battery Balancing Start-up Conditions: Voltage difference $\geq 20\text{mV} \pm 5\text{mV}$
- **均衡停止条件: 平均电池电压小于 $3.0\text{V} \pm 15\text{mV}$; 单节电池电压小于 $2.8\text{V} \pm 15\text{mV}$**
Balancing Stop Condition: Average battery voltage is less than $3.0\text{V} \pm 15\text{mV}$;
Single battery voltage is less than $2.8\text{V} \pm 15\text{mV}$
- **均衡精密度: $20\text{mV} \pm 15\text{mV}$**
Accuracy Of Equalization: $20\text{mV} \pm 15\text{mV}$
- **均衡静态功耗: 15uA**
Balanced Static Power Consumption: 15uA
- **工作储存温度: $-15^{\circ}\text{C}-65^{\circ}\text{C}$**
Operating Storage Temperature: $-15^{\circ}\text{C}-65^{\circ}\text{C}$



FACTORY STRENGTH 工厂实力

1. 高效、标准化的生产流程 Efficient and standardized production process



原材料 Raw Material



板载 Board Loading



锡膏印刷 Solder Paste Printing



3D锡膏检测设备 3D SPI



自动光学检查 AOI



收板机 Board Collector



SMT回流焊 SMT Reflow



SMT贴片 SMT



最后组装 Final Assembly



多串自动测试
Multi-String Automatic Testing



外观清洁
Appearance Cleaning



包装 Packing



出库 EX-Warehouse

2. 质检部实验设备 Experiment Equipment of XJ Quality Department



电线连续性测试机
Wire Continuity testing machine

机械性能验证
Mechanical performance verification

- 摩擦试验机 Friction tester
- 高度计 Height gauge
- 拉力计 Tension meter
- 显微镜 Microscope

- 湿度试验箱 Humidity chamber
- 数控直流电源 CNC DC power supply
- 耐压绝缘测试仪
Withstand voltage insulation tester
- 可编程直流电子负载仪
Programmable DC electronic load instrument



智能300A老化测试柜
Intelligent 300A aging test cabinet



动力电池保护板测试系统
Power battery protection board test system

可靠性验证
Reliability Verification



LCR数字测试仪
LCR Digital tester

电子性能测试仪
Electronic performance tester



恒温恒湿试验箱
Constant temperature and humidity test chamber

- 真空包装机 Vacuum package machine
- 记录温度计 电子温度计
Recording thermometer electronic thermometer

SERVICE

服务

2年质量保证 2 Years Warranty

为了感谢合作伙伴的支持与厚爱,赋能合作伙伴创造更多价值,对于合作伙伴退回的产品(BMS主板,不含配件及线束),我们将质保期限由1年延长至2年。

In order to thank our partners for their support and love , and to empower our partners to create more value , we will extend the warranty period from 1 year to 2 years for the products returned by partners (BMS board , excluding accessories and wiring harnesses).

360° 服务 360° Service

针对B端客户,配备完善的项目服务团队:由项目经理带队,研发主管负责产品需求对接,销售主管负责交付跟进,客服主管负责售后服务。

For B to B customers , a well - equipped project service team : lead by the project manager , the R & D supervisor is responsible for product demand docking , the sales supervisor is responsible for delivery follow - up , and the customer service supervisor is responsible for after - sales service .

全球合作伙伴 Global Partners



目前,轩璟锂电出口占比约30%,合作伙伴遍布全球100多个国家和地区,有力推动了全球新能源产业的发展。

At present , Xuanjing's lithium battery protection board export accounts for about 30%, and its partners are located in more than 100 countries and regions , effectively promoting the development of the global new energy industry .

提供顾客所需的BMS方案 Provide BMS solutions required by customers

一站式BMS保护板供应商 One-stop BMS protection board supplier

01

客户需求确认
Customer requirements confirmation

02

技术评估
Technology Assessment

03

项目成立
Project Establishment

04

结构确认
Structure Confirmation

05

开发实施
Development Implementation

06

制样调试
Prototyping

07

客户验收
Client Acceptance

08

少量试产
Small pilot production

LOOKING TO THE FUTURE 展望未来

东莞市轩璟电子有限公司,是国家高新技术企业。自2015年公司成立以来,一直专业从事动力锂电池保护板、485/CAN通讯协议BMS的研发和生产,历经九年的发展,目前公司年产能超过700万套,已作为中国锂电池BMS领域领先的研发制造企业。

新的征程,我们会继续秉承“工匠精神”的产品理念,面向海内外市场,提供最优质的产品和服务。

Dongguan Xuanjing Electronics Co., Ltd. is a national high-tech enterprise. Since its establishment in 2015, the company has been specialized in the research and development and production of power lithium battery protection boards and 485/CAN communication protocol BMS. After nine years of development, the company's annual production capacity exceeds 7 million sets, and it has become a leading R&D and manufacturing company in the field of lithium battery BMS in China.

In the new journey, we will continue to uphold the product concept of "craftsman spirit" and provide the best quality products and services to domestic and foreign markets.



工厂 Factory

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深圳办公室 Shenzhen Office

地址: 广东省深圳市龙岗区坂田街道布龙路坂田生态科技园B栋401

Add: Room 401, Building B, Bantian Ecological Technology Park, Bulong Road, Bantian Street, Longgang District, Shenzhen, China

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