Directory

Company profile

Design And Development

Manufacturing system

Product Introduction

Partner

Future Planning

TECHNOLOGY CO.,LTD















Directory

Company profile

Design And Development

Manufacturing system

Product Introduction

Partner

Future Planning







Part 01

COMPANY PROFILE

Part 03

MANUFACTURING SYSTEM

Part 05

COOPERATIVE PARTNER

Part 02

DESIGN DEVELOPMENT

Part 04

PRODUCT INTRODUCTION

Part 06

FUTURE PLANNING









Directory

Company profile

Design And Development

Manufacturing system

Product Introduction

Partner

Future Planning



PART 01

COMPANY PROFILE

BMS intelligent battery management system, battery management solutions













COMPANY PROFILE





Establishment time



Employee



Number of patents



Company area



Annual output value



r&d team





Company engaged in projects

National high-tech enterprise engaged in the research and development, production, and sales of battery management systems (BMS)

Authority of the company

A cooperative unit between the University of Electronic Science and Technology and Southwest Jiaotong University, it is a national high-tech enterprise and a "specialized, refined, and innovative" enterprise in Shenzhen. It has been deeply involved in the field of lithium-ion batteries for many years and provides intelligent product solutions for the application of new energy power batteries and energy storage batteries

Professional management and R&D team

Possessing multiple invention and utility model technology patents, successfully developing and mass producing multiple BMS intelligent battery management systems

Core values

Continuously Creating Value, Win-Win and Prosperity with Customers

COMPANY PROFILE



University of
Electronic Science
and technology
Academic research
cooperation unit



Quality Management System Certificate ISO9001:2015

| Description | Des



More than 30 patent achievements



Invention Patent 5 items utility patent 13 items Software Works 20 items



Company development history





Directory

Company profile

Design And Development

Manufacturing system

Product Introduction

Partner

Future Planning

PART 02

Design And Development

BMS intelligent battery management system, battery management solutions













R&d team





Team members

17 people in total

Core Senior Software Engineer 3

Senior Electronic Engineer 7



Team Education

1 postdoctoral fellow

2 graduate students currently studying

14 undergraduate/ associate students



Team experience

Industry experience ≥ 10 years: 10

300+new project developments per year

R&d team

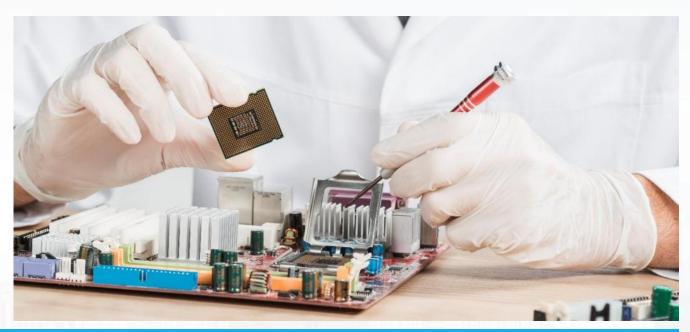


Product development cycle





Urgent Projects
Product development capability



Product name	Number	Current/power
Electricity meter products	1-4	persistent current 30A
Hardware protection board	4-28	maximum continuous current 200A
Software protection board	3-20	Maximum duration100A
Clean the battery control board of household appliances	3-10	Brushed and brushless motors with maximum power 850W





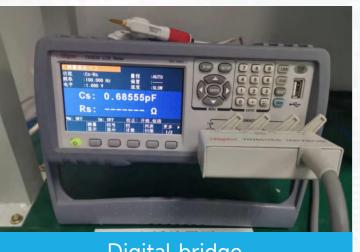




Constant temperature and humidity box







Digital bridge















Directory

Company profile

Design And Development

Manufacturing system

Product Introduction

Partner

Future Planning

PART 03

Manufacturing system

BMS intelligent battery management system, battery management solutions













Manufacturing system: workshop environment





SMT clean workshop

Automatic solder paste printing machine

SPI detector Automatic high speed SMT machine

Large hot air lead-free reflow welding machine

AOI visual inspection process equipment

Automatic loading and unloading machine

Make the whole product process to avoid human contact caused by bad problems



SMT clean workshop

Mainly complete the welding, testing and repair of all patch series devices





Manufacturing system: workshop environment

Dust-free workshop

Automatic soldering machine/glue spraying machine/spray machine/curing furnace and other production equipment, semi-automatic tester testing semi-finished products/finished products, so that the whole product process can be efficient and more comprehensive to ensure product quality, to ensure product consistency

Dust-free workshop

Mainly complete the welding and assembly of all structural parts, semi-finished product/finished product inspection, finished product appearance inspection and meet other requirements of customers





Manufacturing equipment -- SMT



Brand: Sanzhong Technology

Automatic loading machine



Solder paste detector









Brand: Shenzhen Zhengshi

Fully automatic printing machine

Brand: Yamaha >

Fully automatic patch machine

Manufacturing equipment -- SMT





Brand: Jin Tuo

Double-track reflow welding



Brand: Jusi

Optical detector

Manufacturing equipment - Assembly

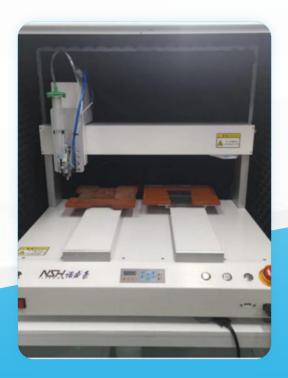




Automatic soldering machine



Desktop sprayer



Automatic glue spraying machine



Integrated curing furnace

Manufacturing equipment - Assembly





Press welder



Power protection plate tester



Burning tester



Comprehensive tester

Directory

Company profile

Design And Development

Manufacturing system

Product Introduction

Partner

Future Planning



PART 04

Product Introduction

BMS intelligent battery management system, battery management solutions













Hardware protection board



Characteristics

- Complete hardware protection, low power consumption design
- High grade ESD ≥ 12KV

- Intelligent autonomous break detection function
- UL2271/UL2272 authentication is supported

Application field

Electric scooters, electric two-wheelers, power tools

Advantage

- 1. To provide customers with different cost-effective options
- 2. Ability to add extended functionality and custom development for customers
- 3. Rapid response one week from evaluation to sample

Hardware protection board

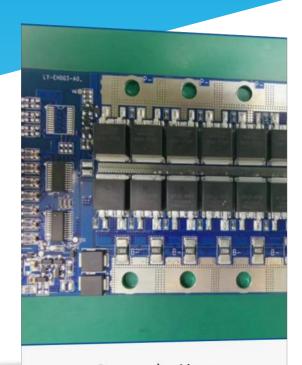




Electric two-wheel battery protection panel



Battery protection panel for power tools



Spare battery protection board

Communication software board



Characteristics

- Support host computer, APP display
- Compatible with URAT\RS485\CAN BUS interface
- Support program online upgrade function

Application field

Energy storage battery pack, intelligent power tools, AGV robot

Advantage

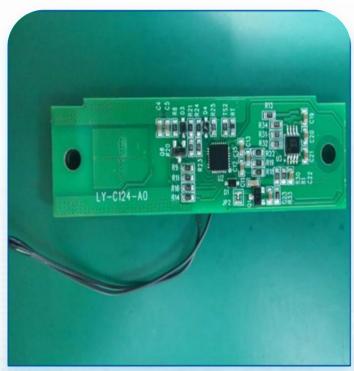
- 1, 200+ project cases have accumulated rich development experience
- 2. The use of domestic imported IC to solve the lack of core bottleneck
- 3. High and low edge MOS driver, integrated SOC and independent SOC optional
- 4. Multiple modes of sleep and wake up function

Communication software board





Intelligent door lock battery protection plate



industrial equipment



Battery protection panel for Security monitoring battery protection panel

Intelligent protection panel



Characteristics

- Complete protection function, high precision SOC estimation
- Powerful extension functions and rich communication interfaces
- One-stop chemical ID to mass production aging data

Application field

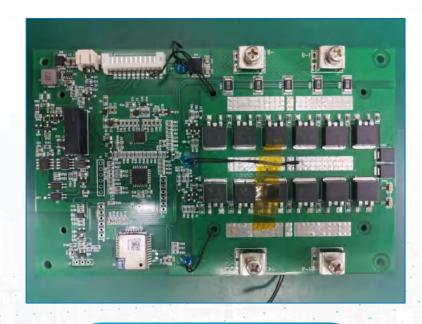
- Smart Home: Smart doorbell/lock, wireless camera, service robot battery
- Handheld terminal: POS machine battery, security detector battery
- Industrial control medical treatment: infrared thermal imager battery, portable ventilator battery

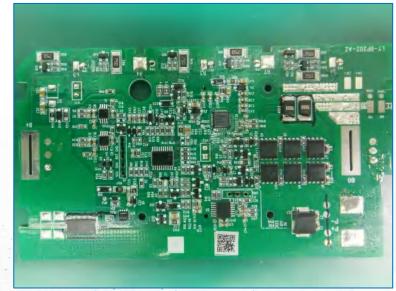
Advantage

- 1、Multi-brand coulometer IC mass production (TI, Kurkang, Zhongying, Liqi, Saiwei)
- 2, 300+ project development experience
- 3. It has the aging learning ability of coulometer battery pack

Intelligent protection panel









Energy storage battery protection panel

Smart lawn mower battery protection panel

Electric sofa battery protection panel

Cleaning household appliance series



Characteristics

- 4-10 series have design scheme
- Man-machine interaction interface can be designed
- High level electrostatic protection design

- Brushless and brushless compatible design
- Skilled use of various sensors

Application field

Wireless suction, wireless vacuum cleaner, wiping machine, washing machine

Advantage

- 1. There are development cases of special MCU and general MCU
- 2. There are many successful mass production cases of brand customers
- 3. Autonomous SOC algorithms quickly respond to customer development needs
- 4. Low power consumption design, to meet the long-term storage

Cleaning household appliance series



Washing machine protection control integrated board



6 strings of vacuum cleaner protection control integrated board



8 strings vacuum cleaner protection control integrated board



Directory

Company profile

Design And Development

Manufacturing system

Product Introduction

Partner

Future Planning

PARTO5

PART 05

Partner

BMS intelligent battery management system, battery management solutions















































COSMX冠宇















Directory

Company profile

Design And Development

Manufacturing system

Product Introduction

Partner

Future Planning



PART 06

Future Planning

BMS intelligent battery management system, battery management solutions











Future plan



2024

2023

Establish Wuhan Manufacturing center

2021

Establish East China Business center 2022

Establish Wuhan Research center Establish Chengdu Research center

Directory

Company profile

Design And Development

Manufacturing system

Product Introduction

Partner

Future Planning

THANKS FOR















