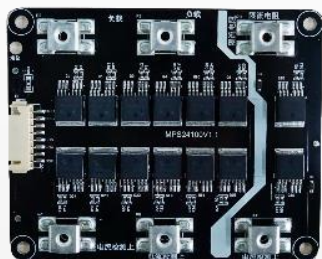
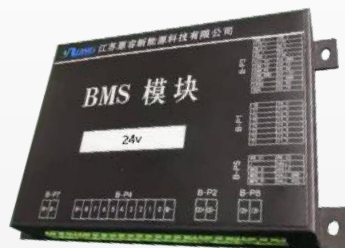


BMS

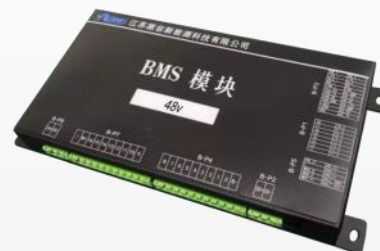
BMS(Battery Management System) is a system that monitors and manages the battery. It controls the charging and discharging process of the battery by collecting and calculating parameters such as voltage, current, temperature, and SOC, so as to protect the battery and improve the overall performance of the battery. It is a management system that connects power An important link between batteries and vehicles.



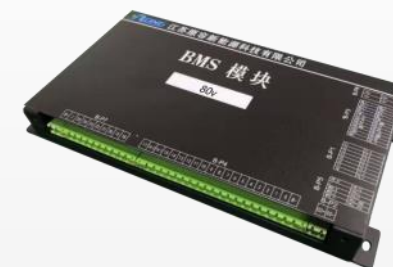
12VBMS



24VBMS



48VBMS



80VBMS



Power supply: RV,
monitoring power supply



Industrial equipment:
floor scrubbers, trucks,
etc.



Industrial vehicles:
forklifts, road
sweepers, etc

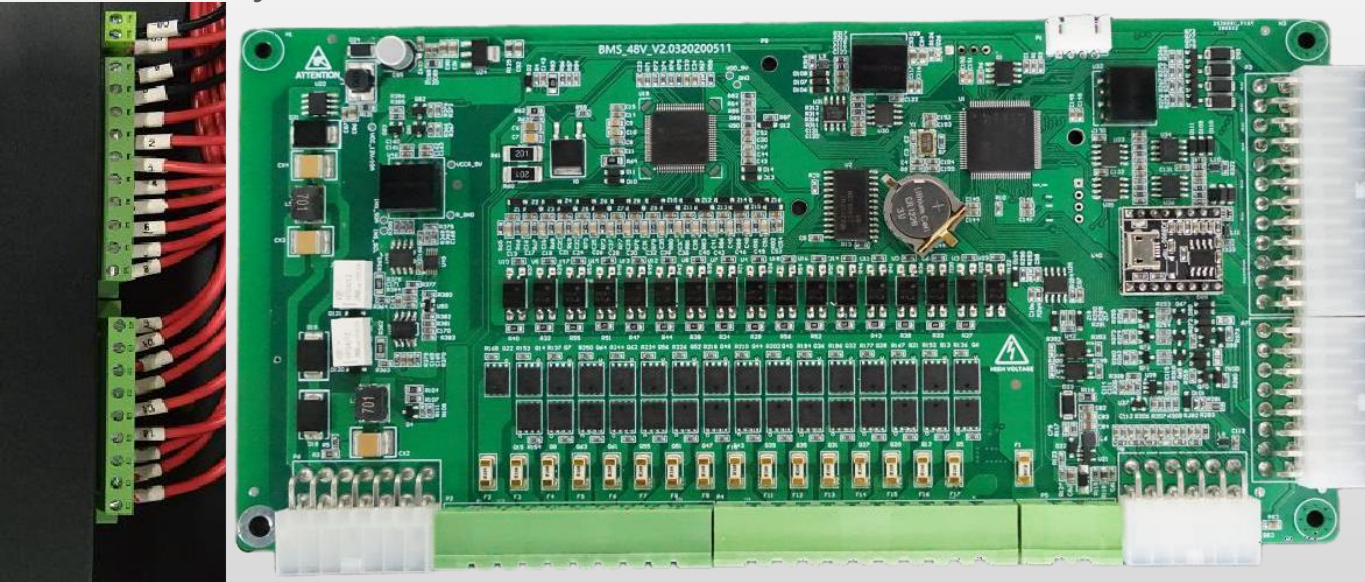


Industrial vehicles:
forklifts, AGVs, etc.

Active Balance BMS Function Introduction

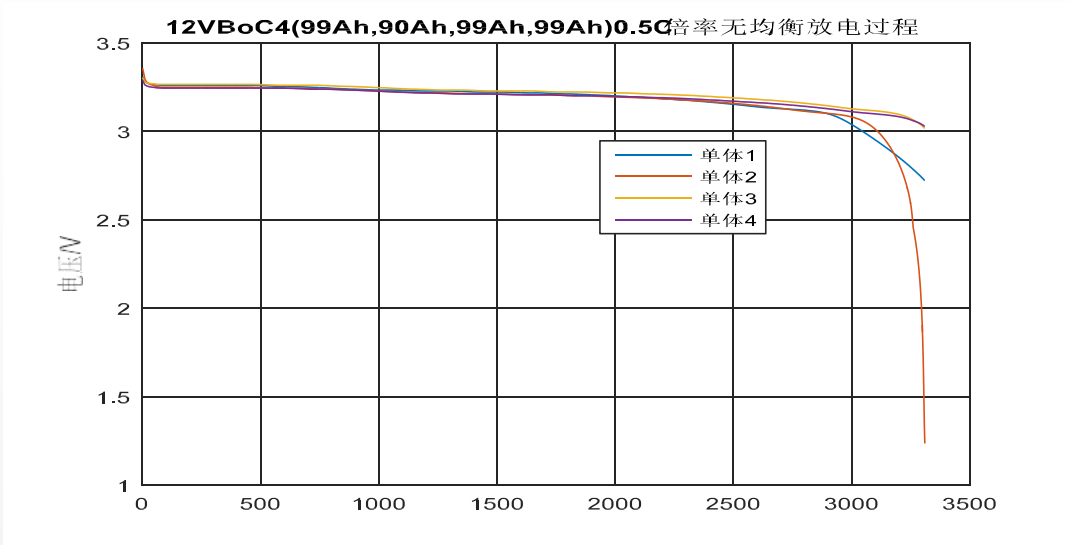
Goldentide Unikodi specially developed for the specific working conditions and application scenarios of industrial vehicle/equipment battery.

- 1、 Self-developed capacity transfer equalization technology is the most effective technical means for lithium battery packs to ensure the cycle life of the system under fast charging conditions;
- 2、 The balance current is large, and the balance power is more than 20 times that of passive balance, but the heat generated by the BMS system is only one-fifth of the passive balance;
- 3、 The whole process of charging and discharging is balanced, repairing battery inconsistency;

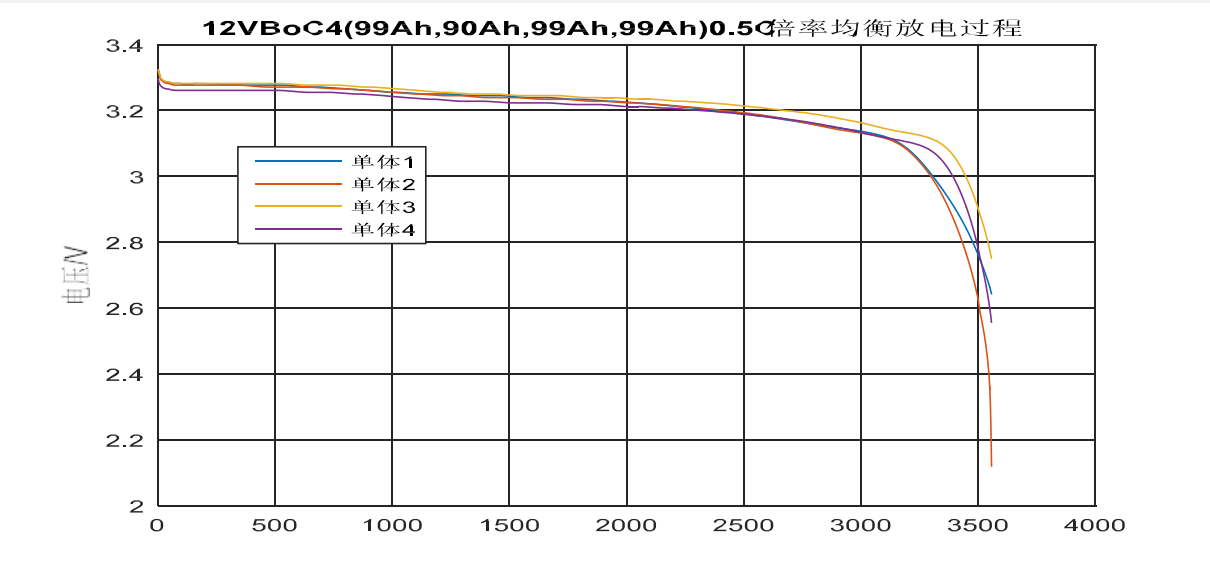


产品主动均衡特色及功能

Passive balance



Active Balance



Battery System Solution

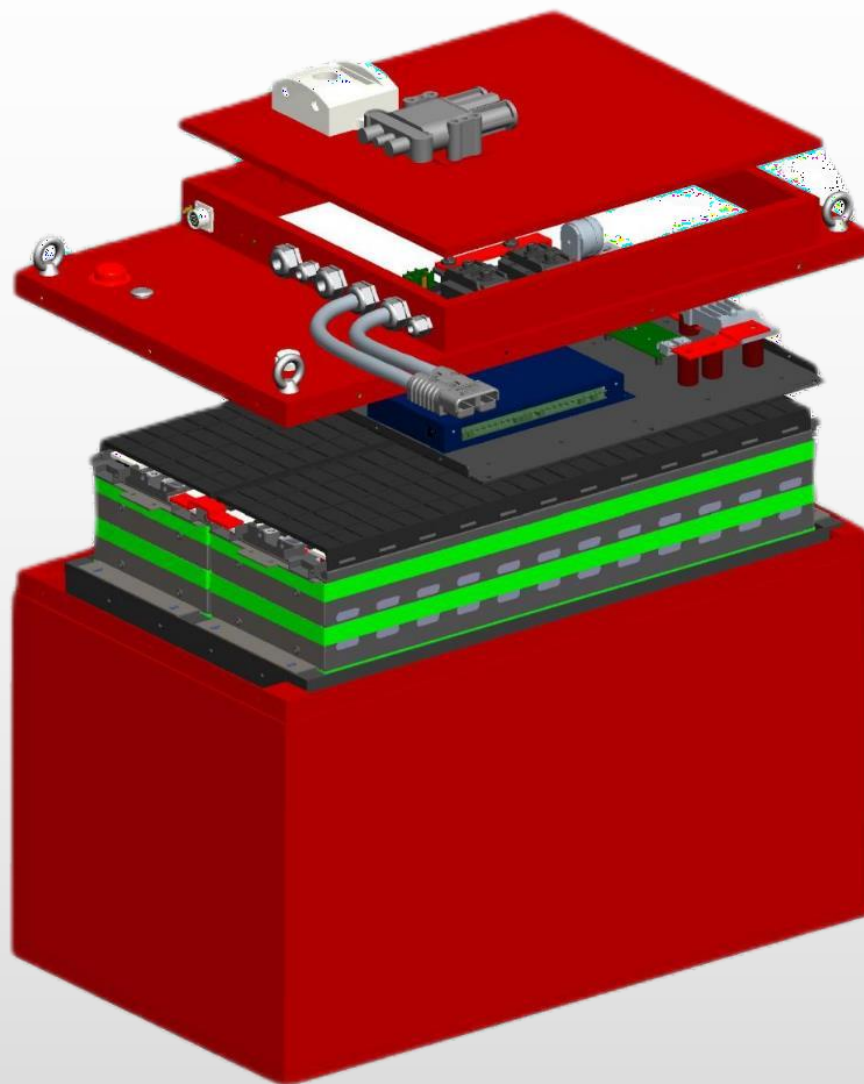
Structure (48V/80V)



① 4G remote module

② The installation method of the electricity meter (fixed on the box body or fixed on the vehicle) depends on the demand.

③ The same/different connection for charging and discharging



electricity
meter

LED

BMS

standard
battery module

charging/disch
arging
connector

standard
container

24V Lithium Battery System Solution

序号	项目	指标	
1	Battery working voltage range	21.6V~28.8V	
2	Rated voltage/capacity	25.6V86Ah	25.6V100Ah
3	Charging current (25℃)	40A/50A (最大持续)	
4	Discharging current (25℃)	80A/100A (最大持续)	
5	Working temperature range	Charging: 0 ~ 50℃	Discharging: -20 ~ 55℃
6	Storage temperature range	10℃ ~ 25℃ (30%~50% SOC)	
7	Battery Container Specification L*W*H	329mm*340mm*283mm(customizable)	
8	Container Weight	32kg (without Counterweight)	



24V Lithium Battery System Solution

序号	项目	指标	
1	Battery working voltage range	21.6V~28.8V	
2	Rated voltage/capacity	25.6V172Ah	25.6V200Ah
3	Charging current (25℃)	80A/100A (最大持续)	
4	Discharging current (25℃)	172A/200A (最大持续)	
5	Working temperature range	Charging: 0 ~ 50℃	Discharging: -20 ~ 55℃
6	Storage temperature range	10℃ ~ 25℃ (30%~50% SOC存储)	
7	Battery Container Specification L*W*H	754mm*281mm*535mm(customizable)	
8	Container Weight	85kg (Counterweight customizable)	



24V Lithium Battery System Solution

序号	项目	指标	
1	Battery working voltage range	21.6V~28.8V	
2	Rated voltage/capacity	25.6V258Ah	25.6V300Ah
3	Charging current (25℃)	120A/150A (最大持续)	
4	Discharging current (25℃)	200A/300A (最大持续)	
5	Working temperature range	Charging: 0 ~ 50℃	Discharging: -20 ~ 55℃
6	Storage temperature range	10℃ ~ 25℃ (30%~50% SOC存储)	
7	Battery Container Specification L*W*H	720mm*400mm*306mm(customizable)	
8	Container Weight	85kg (without Counterweight)	



48V Lithium Battery System Solution

序号	项目	指标	
1	Battery working voltage range	43.2V~57.6V	
2	Rated voltage/capacity	51.2V344Ah	51.2V400Ah
3	Charging current (25℃)	150A/200A (最大持续)	
4	Discharging current (25℃)	300A/400A (最大持续)	
5	Working temperature range	Charging: 0 ~ 50℃	Discharging: -20 ~ 55℃
6	Storage temperature range	10℃ ~ 25℃ (30%~50% SOC存储)	
7	Battery Container Specification L*W*H	Inner Container: 812mm*538mm*460mm (Outside container customizable)	
8	Container Weight	Inner Container: 200kg (Outside container counterweight customizable)	



48V Lithium Battery System Solution

序号	项目	指标	
1	Battery working voltage range	43.2V~57.6V	
2	Rated voltage/capacity	51.2V430Ah	51.2V516Ah
3	Charging current (25℃)	200A (最大持续)	
4	Discharging current (25℃)	400A (最大持续)	
5	Working temperature range	Charging: 0 ~ 50℃	Discharging: -20 ~ 55℃
6	Storage temperature range	10℃ ~ 25℃ (30%~50% SOC存储)	
7	Battery Container Specification L*W*H	Inner Container: 804mm*600mm*472mm (Outside container customizable)	
8	Container Weight	Inner Container: 275kg (Outside container counterweight customizable)	



48V Lithium Battery System Solution

序号	项目	指标	
1	Battery working voltage range	43.2V~57.6V	
2	Rated voltage/capacity	51.2V554Ah	
3	Charging current (25°C)	200A (最大持续)	
4	Discharging current(25°C)	500A (最大瞬间)	
5	Working temperature range	Charging: 0 ~ 50°C	Discharging: -20 ~ 55°C
6	Storage temperature range	10°C ~ 25°C (30%~50% SOC存储)	
7	Battery Container Specification L*W*H	Inner Container: 812mm*520mm*594mm (Outside container customizable)	
8	Container Weight	Inner Container: 300kg (Outside container counterweight customizable)	



80V Lithium Battery System Solution

序号	项目	指标	
1	Battery working voltage range	70.2V~93.6V	
2	Rated voltage/capacity	83.2V344Ah	83.2V400Ah
3	Charging current (25°C)	150A/200A (最大持续)	
4	Discharging current (25°C)	300A/400A (最大持续)	
5	Working temperature range	Charging: 0 ~ 50°C	Discharging: -20 ~ 55°C
6	Storage temperature range	10°C ~ 25°C (30%~50% SOC存储)	
7	Battery Container Specification L*W*H	Inner Container: 992mm*596mm*642mm (Outside container customizable)	
8	Container Weight	Inner Container: 350kg (Outside container counterweight customizable)	



80V Lithium Battery System Solution

序号	项目	指标	
1	Battery working voltage range	70.2V~93.6V	
2	Rated voltage/capacity	83.2V430Ah	83.2V475Ah
3	Charging current (25℃)	200A (最大持续)	
4	Discharging current (25℃)	400A (最大持续)	
5	Working temperature range	Charging: 0 ~ 50℃	Discharging: -20 ~ 55℃
6	Storage temperature range	10℃ ~ 25℃ (30%~50% SOC存储)	
7	Battery Container Specification L*W*H	Inner Container: 992mm*596mm*642mm (Outside container customizable)	
8	Container Weight	Inner Container: 410kg (Outside container counterweight customizable)	



80V Lithium Battery System Solution

序号	项目	指标	
1	Battery working voltage range	67.5V~90V	
2	Rated voltage/capacity	80V618Ah	
3	Charging current (25℃)	200A (最大持续)	
4	Discharging current (25℃)	400A (最大持续)	
5	Working temperature range	Charging: 0 ~ 50℃	Discharging: -20 ~ 55℃
6	Storage temperature range	10℃ ~ 25℃ (30%~50% SOC存储)	
7	Battery Container Specification L*W*H	Inner Container: 994mm*645mm*624mm (Outside container customizable)	
8	Container Weight	Inner Container: 480kg (Outside container counterweight customizable)	



Soft Pack Lithium Battery

关键技术：高安全、长寿命的模块

- **Single dual protection module, single life 5~10 years**



- High energy density
- High structural strength
- waterproof
- Excellent cycle performance
- Double protection and high safety performance

- **Battery pack invention patent: dual protection module battery pack**

