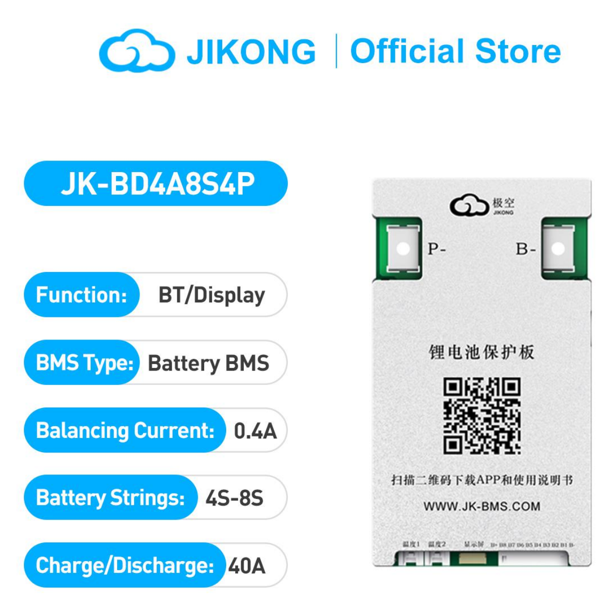
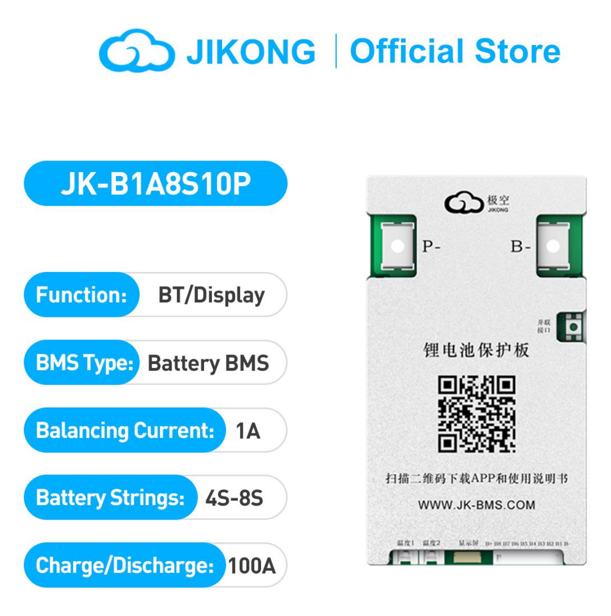
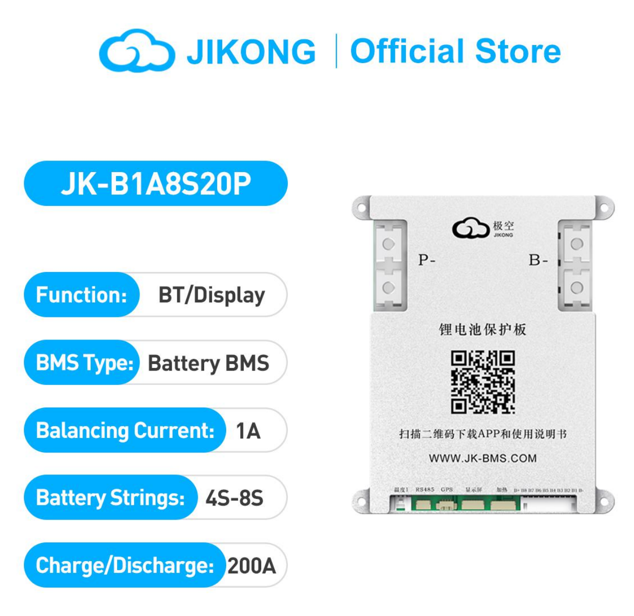
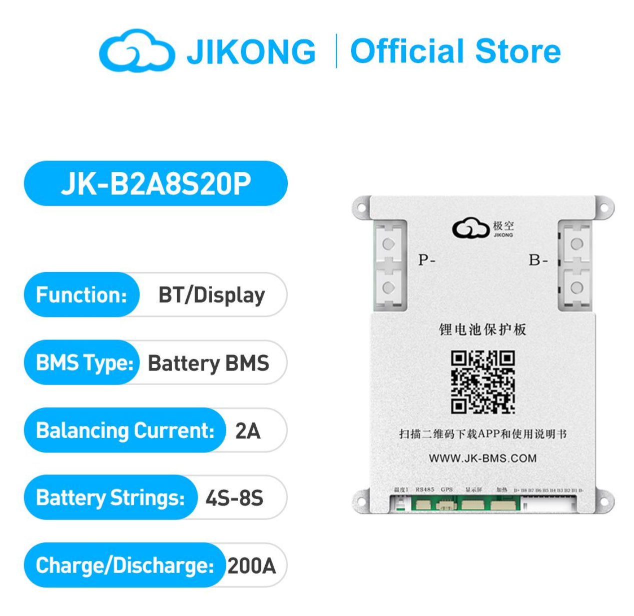
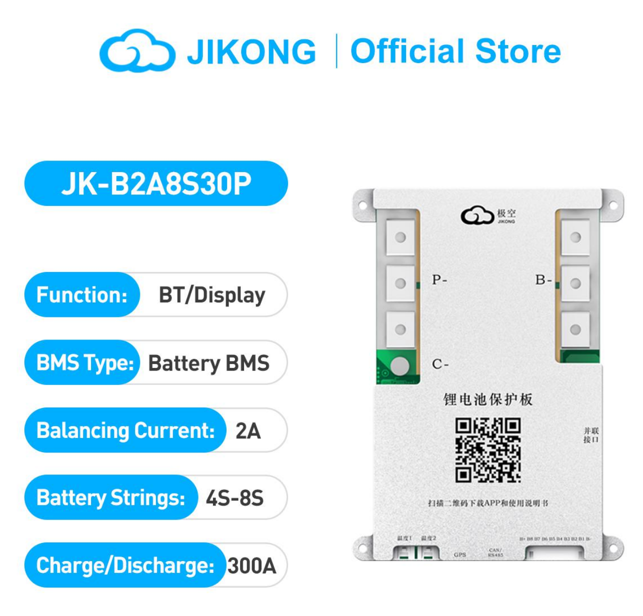
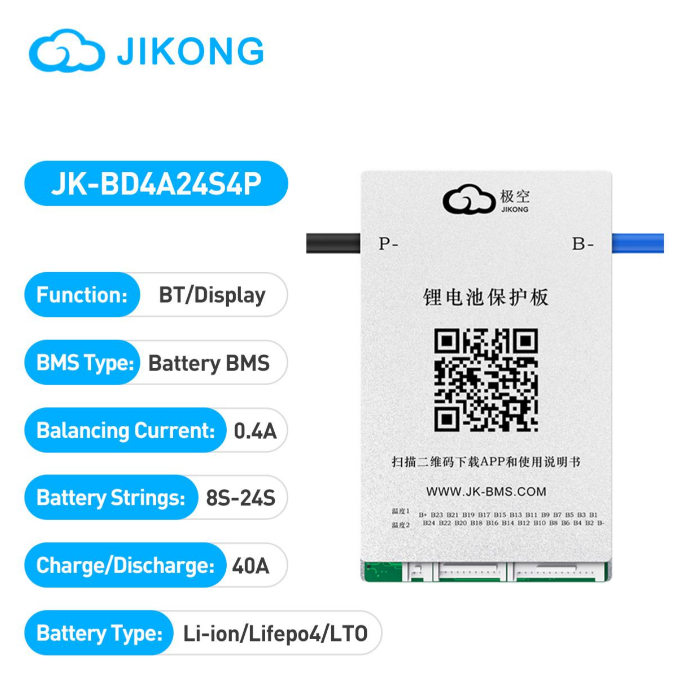
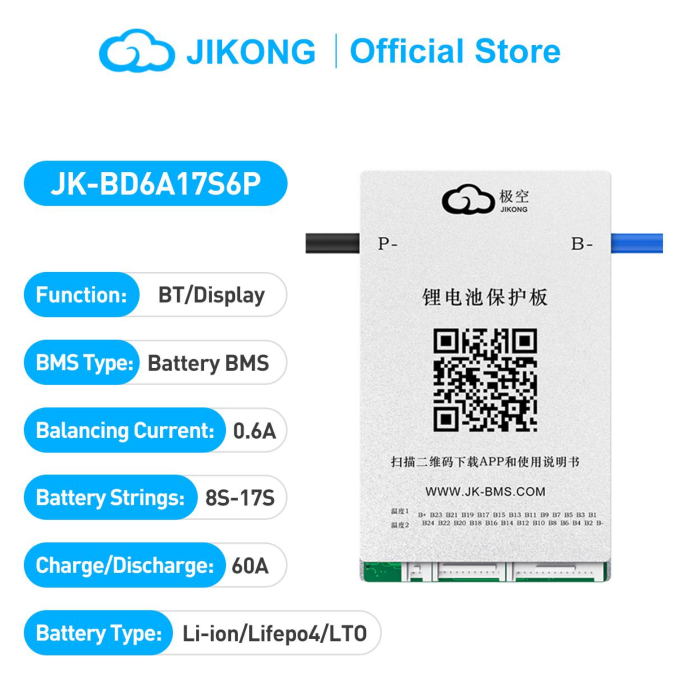
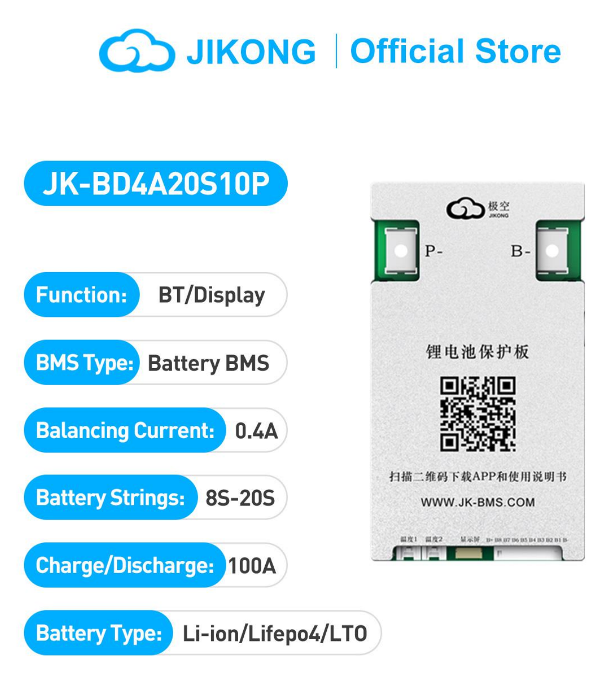
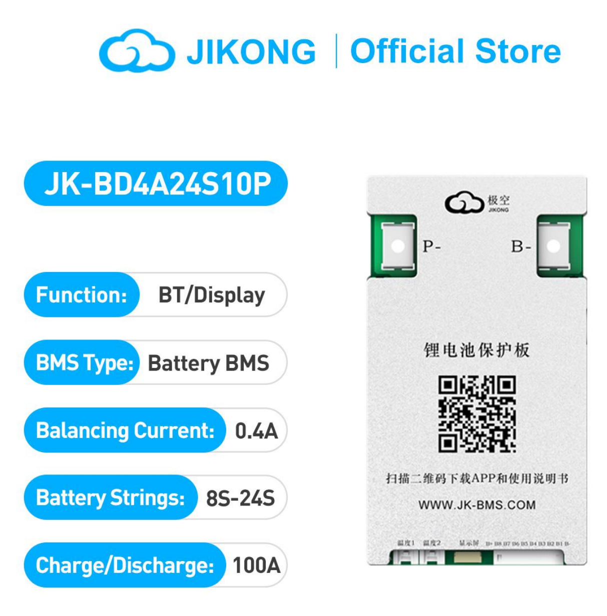
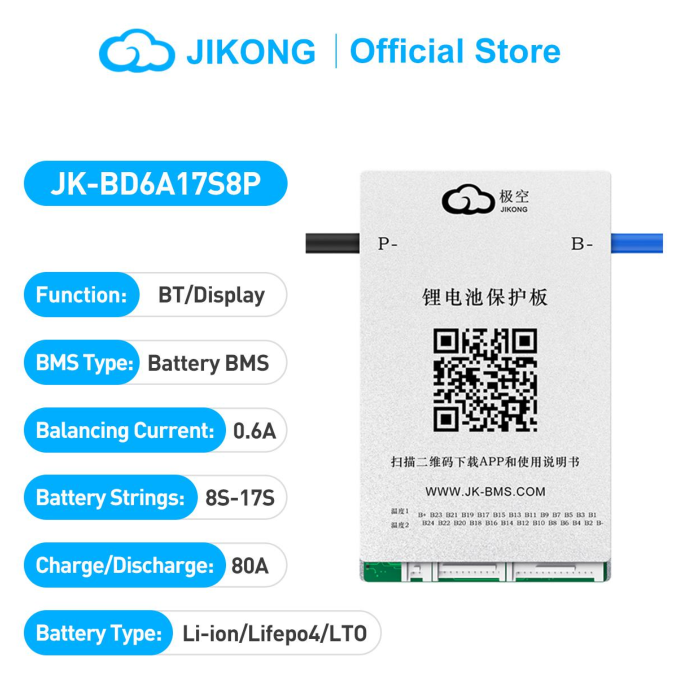
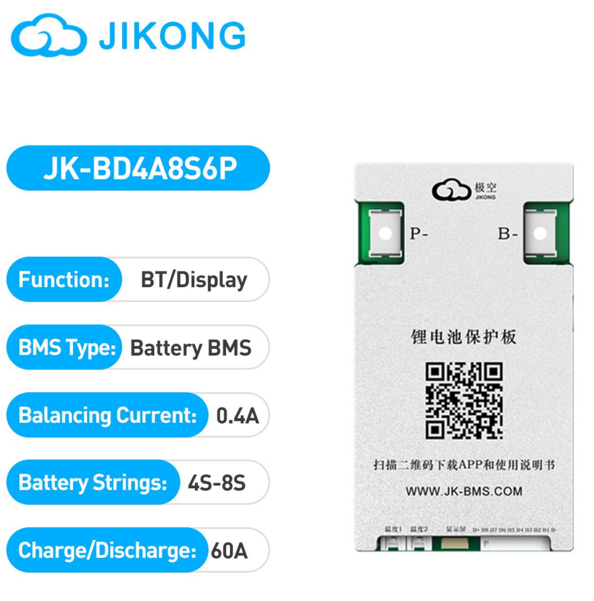
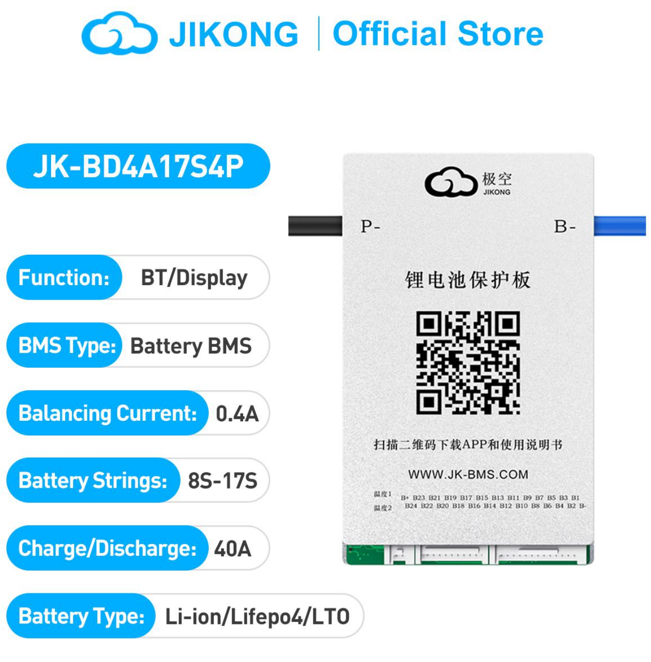
JK-BD4A8S4P	 JIKONG Official Store JK-BD4A8S4P Function: BT/Display BMS Type: Battery BMS Balancing Current: 0.4A Battery Strings: 4S-8S Charge/Discharge: 40A 极空 JIKONG P- B- 锂电池保护板 扫描二维码下载APP和使用说明书 WWW.JK-BMS.COM
JK-B1A8S10P	 JIKONG Official Store JK-B1A8S10P Function: BT/Display BMS Type: Battery BMS Balancing Current: 1A Battery Strings: 4S-8S Charge/Discharge: 100A 极空 JIKONG P- B- 锂电池保护板 扫描二维码下载APP和使用说明书 WWW.JK-BMS.COM

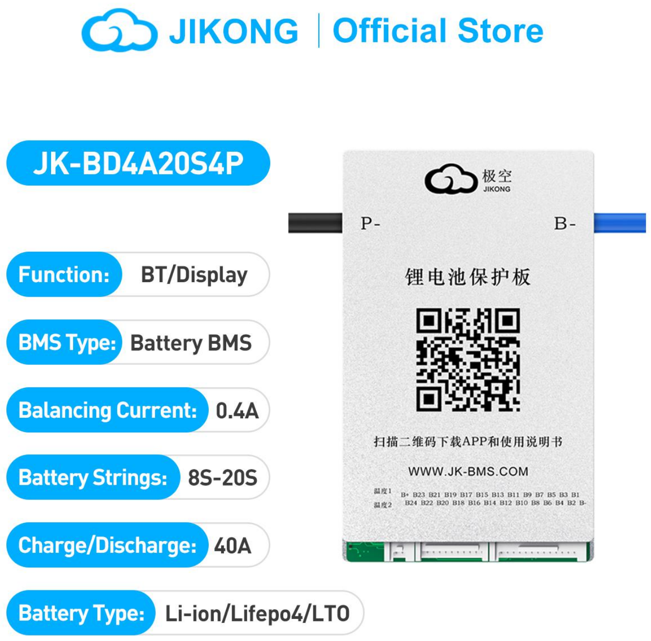
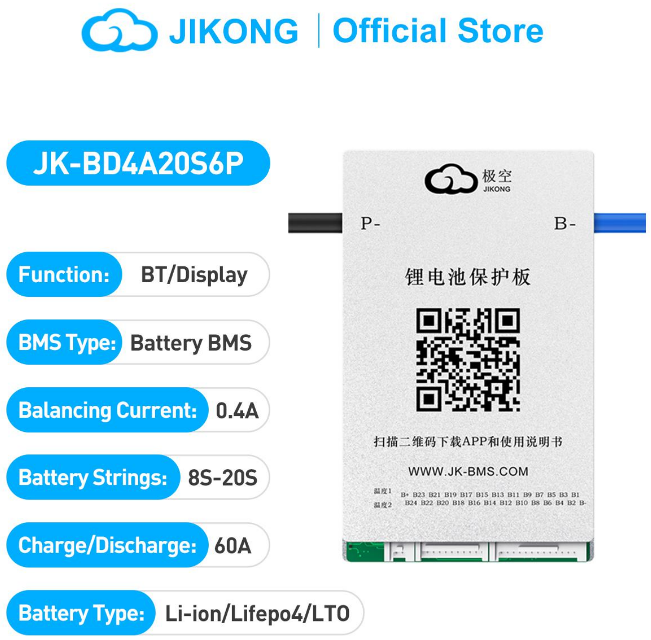
JK-B1A8S20P	 JIKONG | Official Store JK-B1A8S20P Function: BT/Display BMS Type: Battery BMS Balancing Current: 1A Battery Strings: 4S-8S Charge/Discharge: 200A P- B- 锂电池保护板 扫描二维码下载APP和使用说明书 WWW.JK-BMS.COM
JK-B2A8S20P	 JIKONG | Official Store JK-B2A8S20P Function: BT/Display BMS Type: Battery BMS Balancing Current: 2A Battery Strings: 4S-8S Charge/Discharge: 200A P- B- 锂电池保护板 扫描二维码下载APP和使用说明书 WWW.JK-BMS.COM

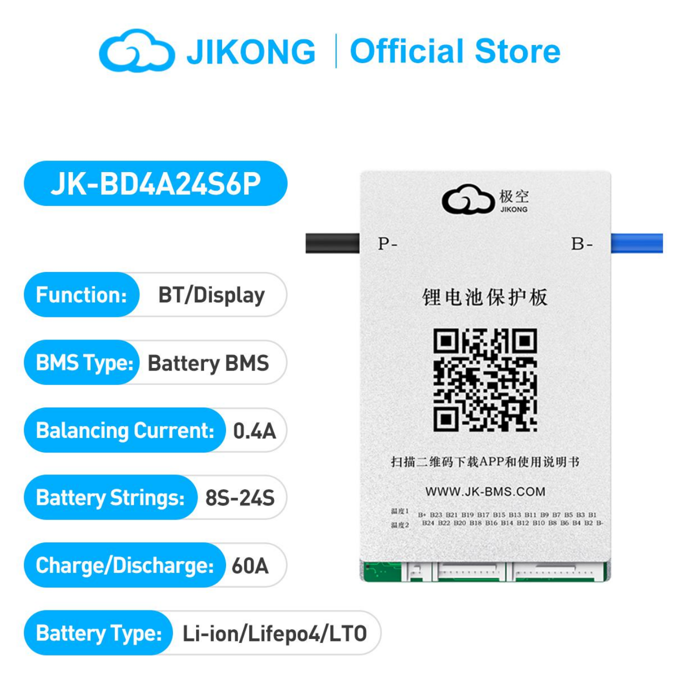
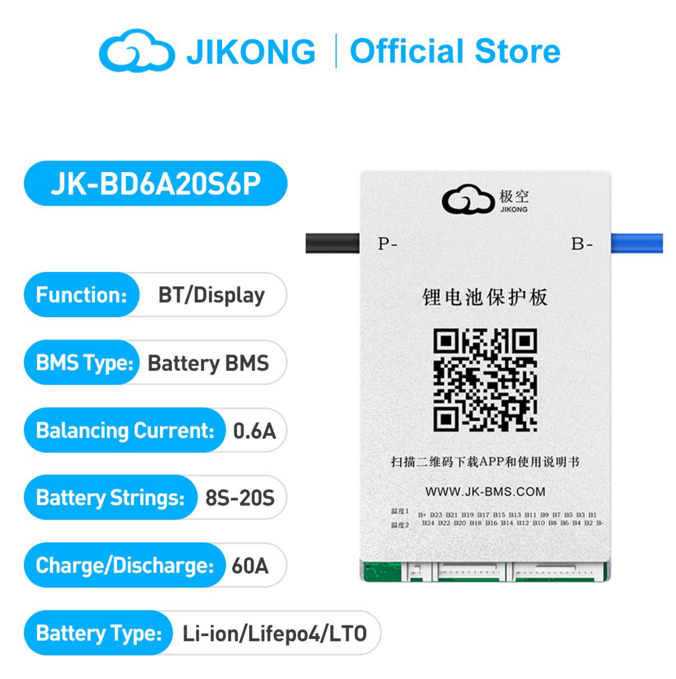
JK-B2A8S30P	 JIKONG | Official Store JK-B2A8S30P Function: BT/Display BMS Type: Battery BMS Balancing Current: 2A Battery Strings: 4S-8S Charge/Discharge: 300A
JK-BD4A24S4P	 JIKONG JK-BD4A24S4P Function: BT/Display BMS Type: Battery BMS Balancing Current: 0.4A Battery Strings: 8S-24S Charge/Discharge: 40A Battery Type: Li-ion/Lifepo4/LTO

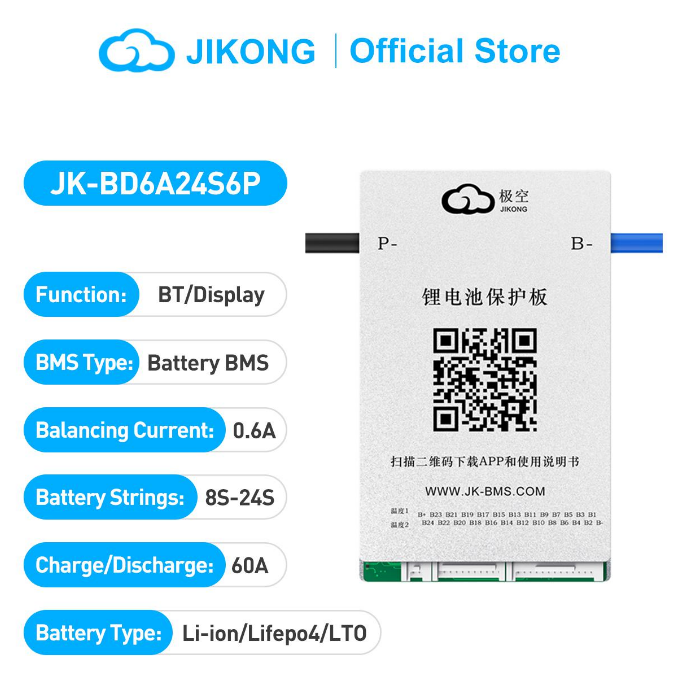
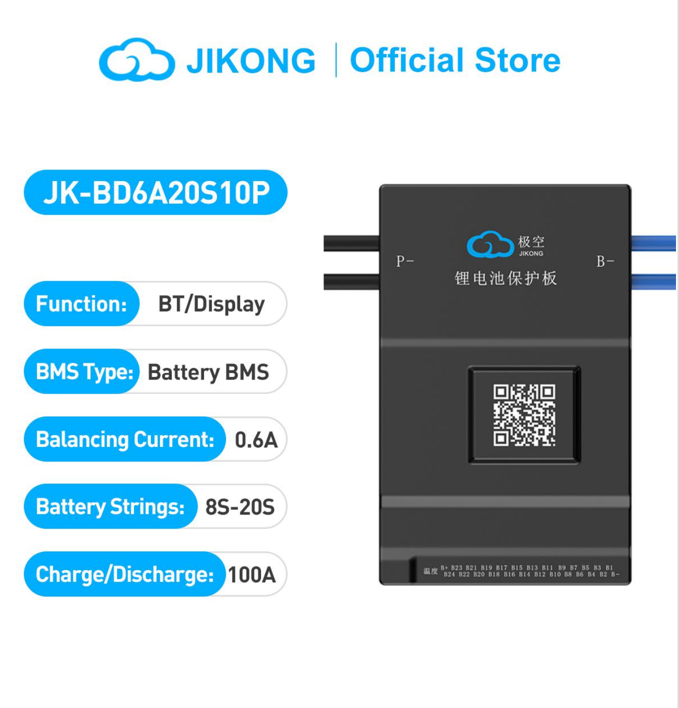
JK-BD6A17S6P	 JIKONG Official Store JK-BD6A17S6P 极空 JIKONG P- B- 锂电池保护板 扫描二维码下载APP和使用说明书 WWW.JK-BMS.COM Function: BT/Display BMS Type: Battery BMS Balancing Current: 0.6A Battery Strings: 8S-17S Charge/Discharge: 60A Battery Type: Li-ion/Lifepo4/LTO
JK-BD4A20S10P	 JIKONG Official Store JK-BD4A20S10P 极空 JIKONG P- B- 锂电池保护板 扫描二维码下载APP和使用说明书 WWW.JK-BMS.COM Function: BT/Display BMS Type: Battery BMS Balancing Current: 0.4A Battery Strings: 8S-20S Charge/Discharge: 100A Battery Type: Li-ion/Lifepo4/LTO

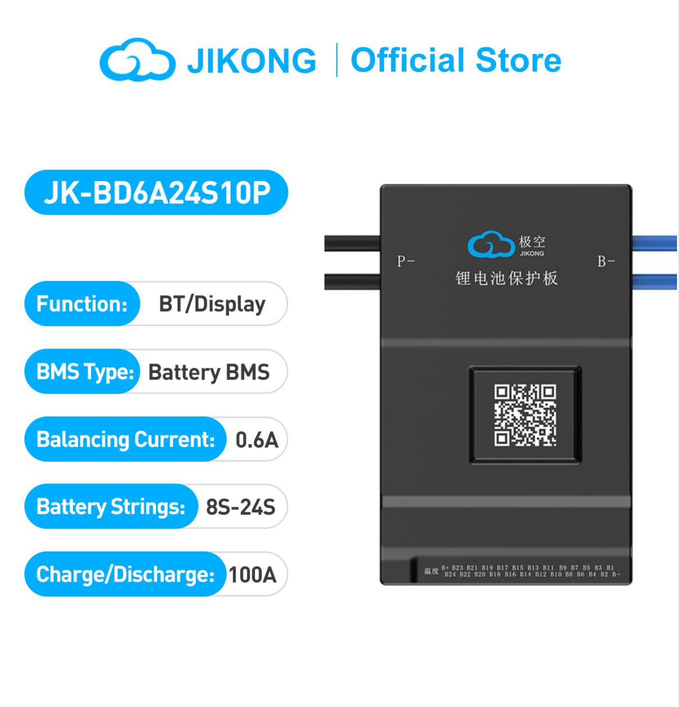
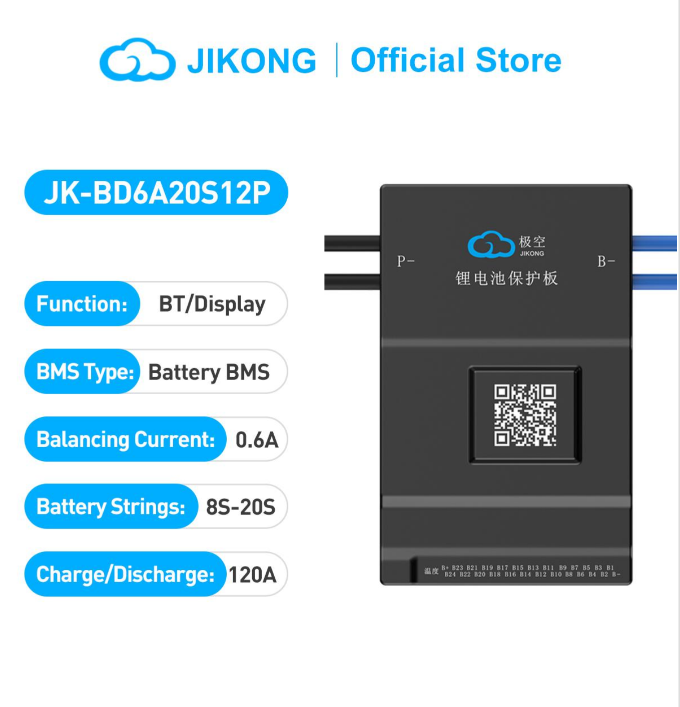
JK-BD4A24S10P	 JIKONG | Official Store JK-BD4A24S10P Function: BT/Display BMS Type: Battery BMS Balancing Current: 0.4A Battery Strings: 8S-24S Charge/Discharge: 100A 极空 JIKONG P- B- 锂电池保护板 扫描二维码下载APP和使用说明书 WWW.JK-BMS.COM
JK-BD6A17S8P	 JIKONG | Official Store JK-BD6A17S8P Function: BT/Display BMS Type: Battery BMS Balancing Current: 0.6A Battery Strings: 8S-17S Charge/Discharge: 80A Battery Type: Li-ion/Lifepo4/LTO 极空 JIKONG P- B- 锂电池保护板 扫描二维码下载APP和使用说明书 WWW.JK-BMS.COM

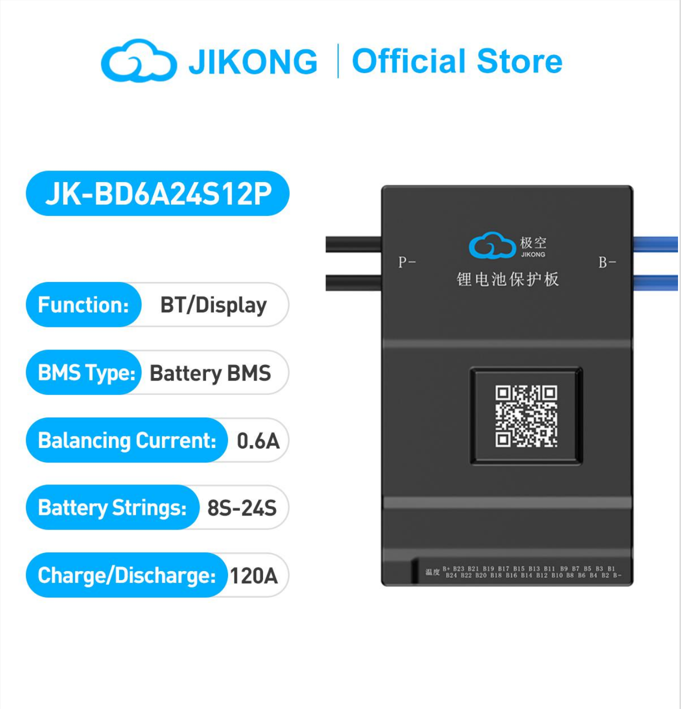
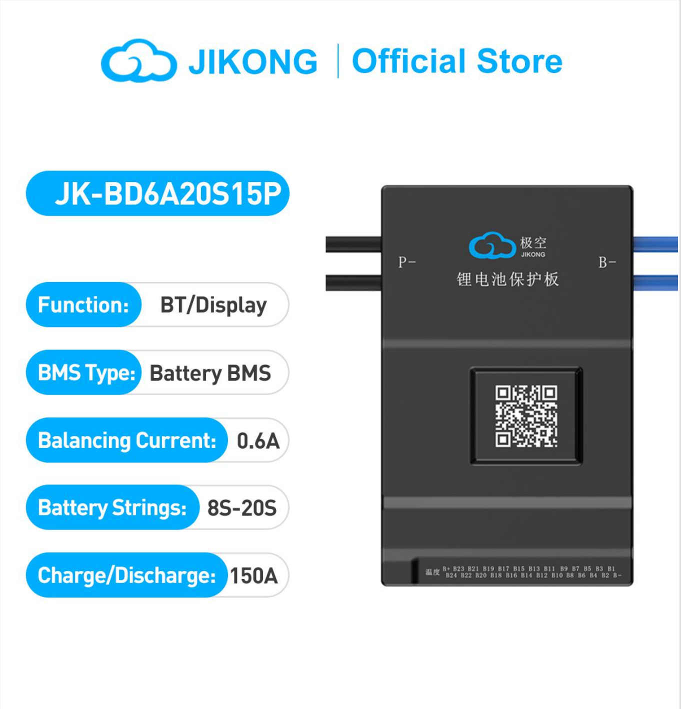
JK-BD4A8S6P	 JIKONG JK-BD4A8S6P Function: BT/Display BMS Type: Battery BMS Balancing Current: 0.4A Battery Strings: 4S-8S Charge/Discharge: 60A 极空 JIKONG P- B- 锂电池保护板 扫描二维码下载APP和使用说明书 WWW.JK-BMS.COM
JK-BD4A17S4P	 JIKONG | Official Store JK-BD4A17S4P Function: BT/Display BMS Type: Battery BMS Balancing Current: 0.4A Battery Strings: 8S-17S Charge/Discharge: 40A Battery Type: Li-ion/Lifepo4/LTO 极空 JIKONG P- B- 锂电池保护板 扫描二维码下载APP和使用说明书 WWW.JK-BMS.COM

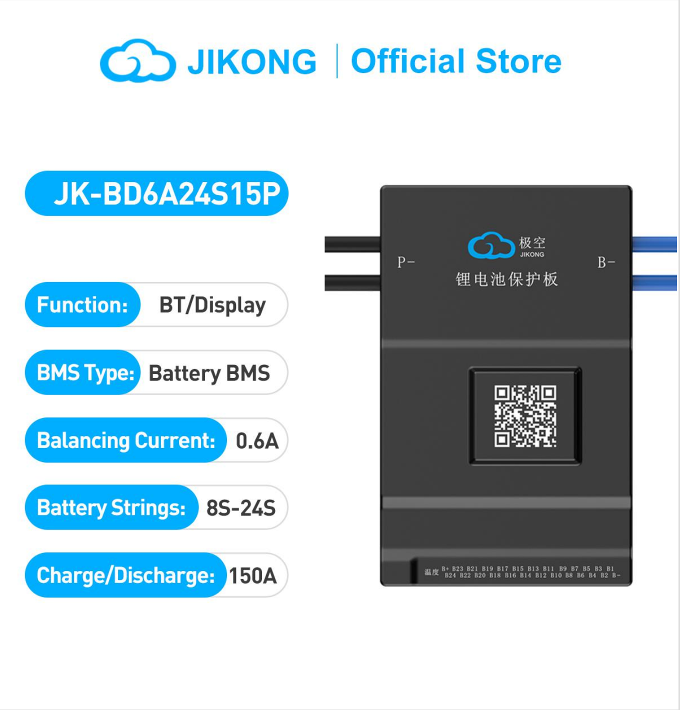
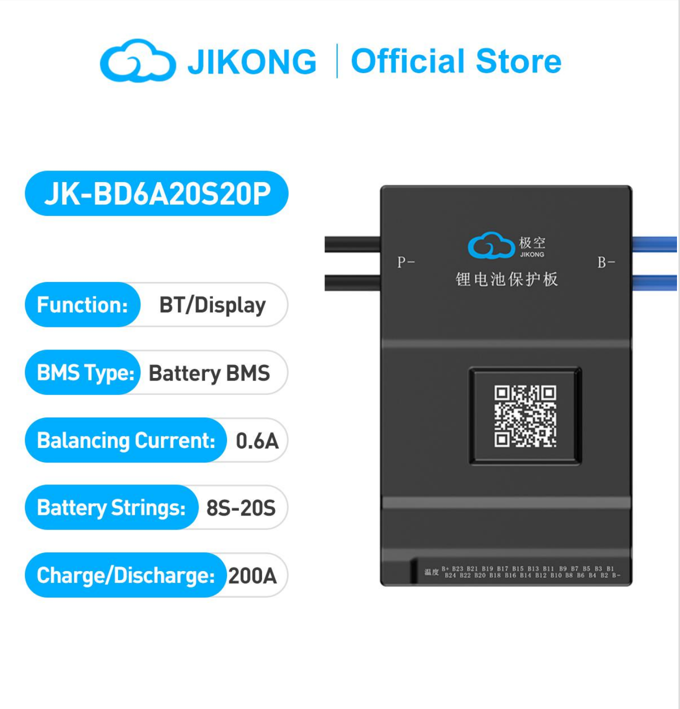
JK-BD4A20S4P	 JIKONG | Official Store JK-BD4A20S4P Function: BT/Display BMS Type: Battery BMS Balancing Current: 0.4A Battery Strings: 8S-20S Charge/Discharge: 40A Battery Type: Li-ion/Lifepo4/LTO 极空 JIKONG P- B- 锂电池保护板 扫描二维码下载APP和使用说明书 WWW.JK-BMS.COM
JK-BD4A20S6P	 JIKONG | Official Store JK-BD4A20S6P Function: BT/Display BMS Type: Battery BMS Balancing Current: 0.4A Battery Strings: 8S-20S Charge/Discharge: 60A Battery Type: Li-ion/Lifepo4/LTO 极空 JIKONG P- B- 锂电池保护板 扫描二维码下载APP和使用说明书 WWW.JK-BMS.COM

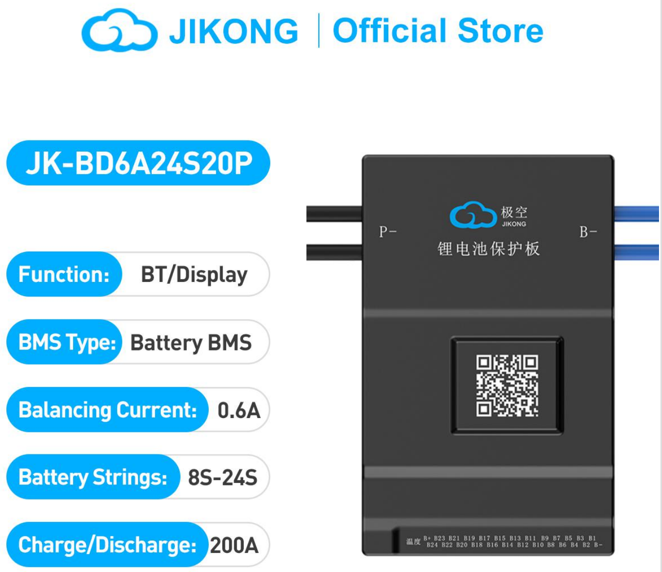
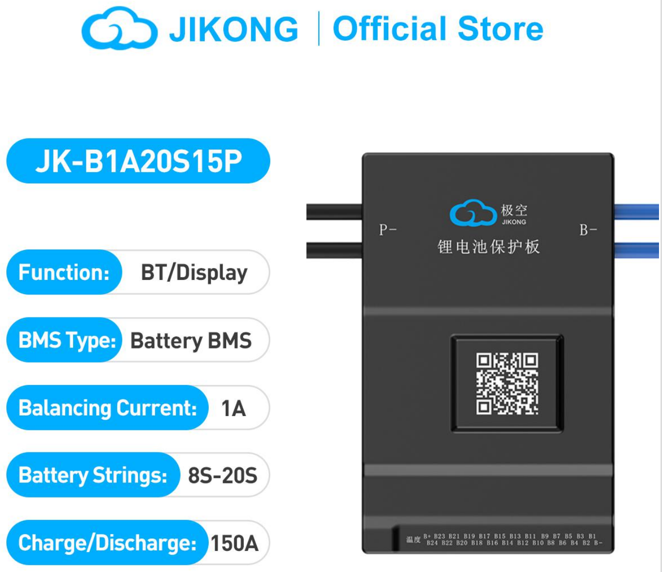
JK-BD4A24S6P	 JIKONG | Official Store JK-BD4A24S6P **Function:** BT/Display **BMS Type:** Battery BMS **Balancing Current:** 0.4A **Battery Strings:** 8S-24S **Charge/Discharge:** 60A **Battery Type:** Li-ion/Lifepo4/LTO 极空 JIKONG P- B- 锂电池保护板 扫描二维码下载APP和使用说明书 WWW.JK-BMS.COM
JK-BD6A20S6P	 JIKONG | Official Store JK-BD6A20S6P **Function:** BT/Display **BMS Type:** Battery BMS **Balancing Current:** 0.6A **Battery Strings:** 8S-20S **Charge/Discharge:** 60A **Battery Type:** Li-ion/Lifepo4/LTO 极空 JIKONG P- B- 锂电池保护板 扫描二维码下载APP和使用说明书 WWW.JK-BMS.COM

JK-BD6A24S6P	 JIKONG | Official Store **JK-BD6A24S6P** **Function:** BT/Display **BMS Type:** Battery BMS **Balancing Current:** 0.6A **Battery Strings:** 8S-24S **Charge/Discharge:** 60A **Battery Type:** Li-ion/Lifepo4/LTO 极空 JIKONG P- B- 锂电池保护板 扫描二维码下载APP和使用说明书 WWW.JK-BMS.COM
black JK-BD6A20S10P	 JIKONG | Official Store **JK-BD6A20S10P** **Function:** BT/Display **BMS Type:** Battery BMS **Balancing Current:** 0.6A **Battery Strings:** 8S-20S **Charge/Discharge:** 100A 极空 JIKONG P- B- 锂电池保护板

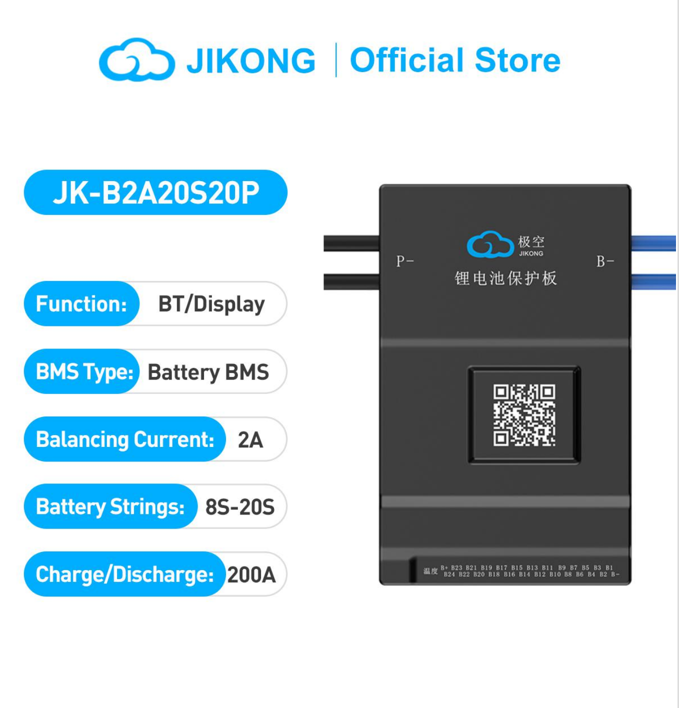
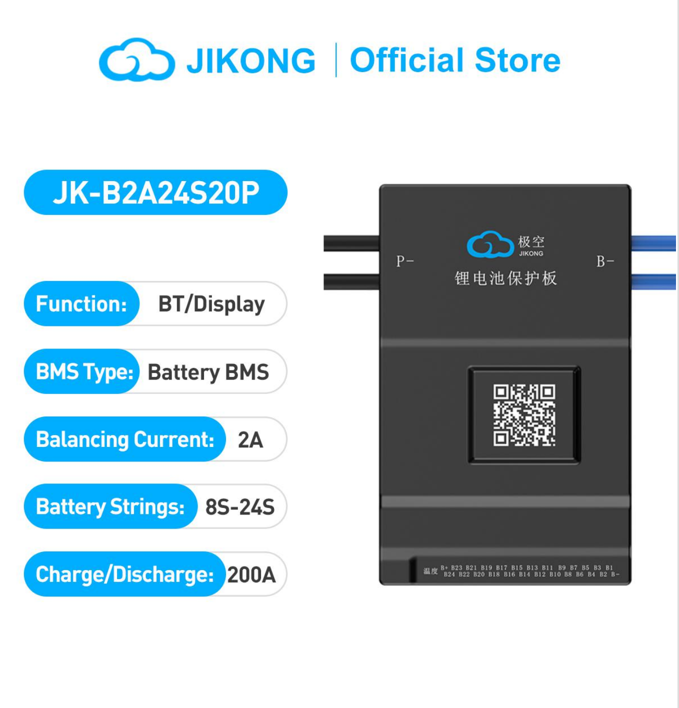
black JK-BD6A24S10P	 JIKONG | Official Store JK-BD6A24S10P Function: BT/Display BMS Type: Battery BMS Balancing Current: 0.6A Battery Strings: 8S-24S Charge/Discharge: 100A 极空 JIKONG P- B- 锂电池保护板
black JK-BD6A20S12P	 JIKONG | Official Store JK-BD6A20S12P Function: BT/Display BMS Type: Battery BMS Balancing Current: 0.6A Battery Strings: 8S-20S Charge/Discharge: 120A 极空 JIKONG P- B- 锂电池保护板

black JK-BD6A24S12P	 JIKONG | Official Store JK-BD6A24S12P Function: BT/Display BMS Type: Battery BMS Balancing Current: 0.6A Battery Strings: 8S-24S Charge/Discharge: 120A P- B- 极空 JIKONG 锂电池保护板
black JK-BD6A20S15P	 JIKONG | Official Store JK-BD6A20S15P Function: BT/Display BMS Type: Battery BMS Balancing Current: 0.6A Battery Strings: 8S-20S Charge/Discharge: 150A P- B- 极空 JIKONG 锂电池保护板

black JK-BD6A24S15P	 JIKONG Official Store 极空 JIKONG P- B- 锂电池保护板 JK-BD6A24S15P Function: BT/Display BMS Type: Battery BMS Balancing Current: 0.6A Battery Strings: 8S-24S Charge/Discharge: 150A
black JK-BD6A20S20P	 JIKONG Official Store 极空 JIKONG P- B- 锂电池保护板 JK-BD6A20S20P Function: BT/Display BMS Type: Battery BMS Balancing Current: 0.6A Battery Strings: 8S-20S Charge/Discharge: 200A

black JK-BD6A24S20P	 JIKONG | Official Store JK-BD6A24S20P Function: BT/Display BMS Type: Battery BMS Balancing Current: 0.6A Battery Strings: 8S-24S Charge/Discharge: 200A 极空 JIKONG 锂电池保护板 P- B-
black JK-B1A20S15P	 JIKONG | Official Store JK-B1A20S15P Function: BT/Display BMS Type: Battery BMS Balancing Current: 1A Battery Strings: 8S-20S Charge/Discharge: 150A 极空 JIKONG 锂电池保护板 P- B-

black JK-B1A24S15P	 JIKONG Official Store JK-B1A24S15P Function: BT/Display BMS Type: Battery BMS Balancing Current: 1A Battery Strings: 8S-24S Charge/Discharge: 150A P- 极空 JIKONG 锂电池保护板 B-
black JK-B2A24S15P	 JIKONG Official Store JK-B2A24S15P Function: BT/Display BMS Type: Battery BMS Balancing Current: 2A Battery Strings: 8S-24S Charge/Discharge: 150A P- 极空 JIKONG 锂电池保护板 B-

black JK-B2A20S20P	 JIKONG | Official Store JK-B2A20S20P Function: BT/Display BMS Type: Battery BMS Balancing Current: 2A Battery Strings: 8S-20S Charge/Discharge: 200A 极空 JIKONG 锂电池保护板 P- B-
black JK-B2A24S20P	 JIKONG | Official Store JK-B2A24S20P Function: BT/Display BMS Type: Battery BMS Balancing Current: 2A Battery Strings: 8S-24S Charge/Discharge: 200A 极空 JIKONG 锂电池保护板 P- B-

Product Parameters

Support customized service, please consult customer service for details.

JIKONG Product Specifications

Technical Index	JK-B1A8S10P	JK-B1A8S20P	JK-B2A8S20P	JK-B2A8S30P
Number of Battery Strings(Li-ion)	3S-8S	3S-8S	3S-8S	3S-8S
Number of Battery Strings(Lifepo4|	4S-8S	4S-8S	4S-8S	4S-8S
Number of Battery Strings(LTO)	6S-8S	6S-8S	6S-8S	6S-8S
Balance Method	Active Balance (Full State On)			
Balance Current	1A	1A	2A	2A
Conductive Resistance in Main Circuit	0.3mΩ	0.3mΩ	0.3mΩ	0.3mΩ
Continuous Discharge Current	100A	200A	200A	300A
Continuous Charge Current	100A	200A	200A	300A
Maximum Discharge Current (MAX 2min)	200A	300A	300A	400A
Over Charge Protection Current (ADJ)	10-100A	10-200A	10-200A	10-300A
Other Interfaces (Customized)	RS485	RS485	RS485	RS485
Other Interfaces (Customized)	CANBUS HEAT	CAN BUS HEAT	CANBUS HEAT	CANBUS HEAT
Size/mm	153*126*18mm			189*94*24mm
Wiring Output	Common Port			
Single Cell Voltage Range	1-5V			
Voltage Acquistion Accuracy	±5mV			
Over Charge Protection Voltage	1.2-4.35V Adjustable			
Over Charge Relese Voltage	1.2-4.35V Adjustable			
Over Current Detect Delay	2-120S Adjustable			
Over Discharge Protection Voltage	1.2-4.35V Adjustable			
Over Discharge Relese Voltage	1.2-4.35V Adjustable			
Quantity of Temperature Detection	1Pcs			
Temp Protection	Yes			
Short Circuit protection	Yes			
Coulomb Counter	Yes			
Bluetooth Function	Support for Android IOS			

Excellent balance effect

Comparison before and after balance (using 16-section 100AH series battery as an example)

Pressure difference before and after balance (V)	1S	2S	3S	4S	5S	6S	7S	8S
Before balance	3.896	3.894	3.877	3.846	3.902	3.892	3.844	3.962
After balance	3.791	3.796	3.791	3.796	3.795	3.796	3.794	3.796
Pressure difference before balance	**0.639**							
Pressure difference before and after balance (V)	1S	2S	3S	4S	5S	6S	7S	8S
Before balance	3.491	4.130	3.958	3.957	3.865	3.778	3.575	3.573
After balance	3.792	3.799	3.800	3.799	3.796	3.795	3.794	3.790
Pressure difference before balance	**0.01**							

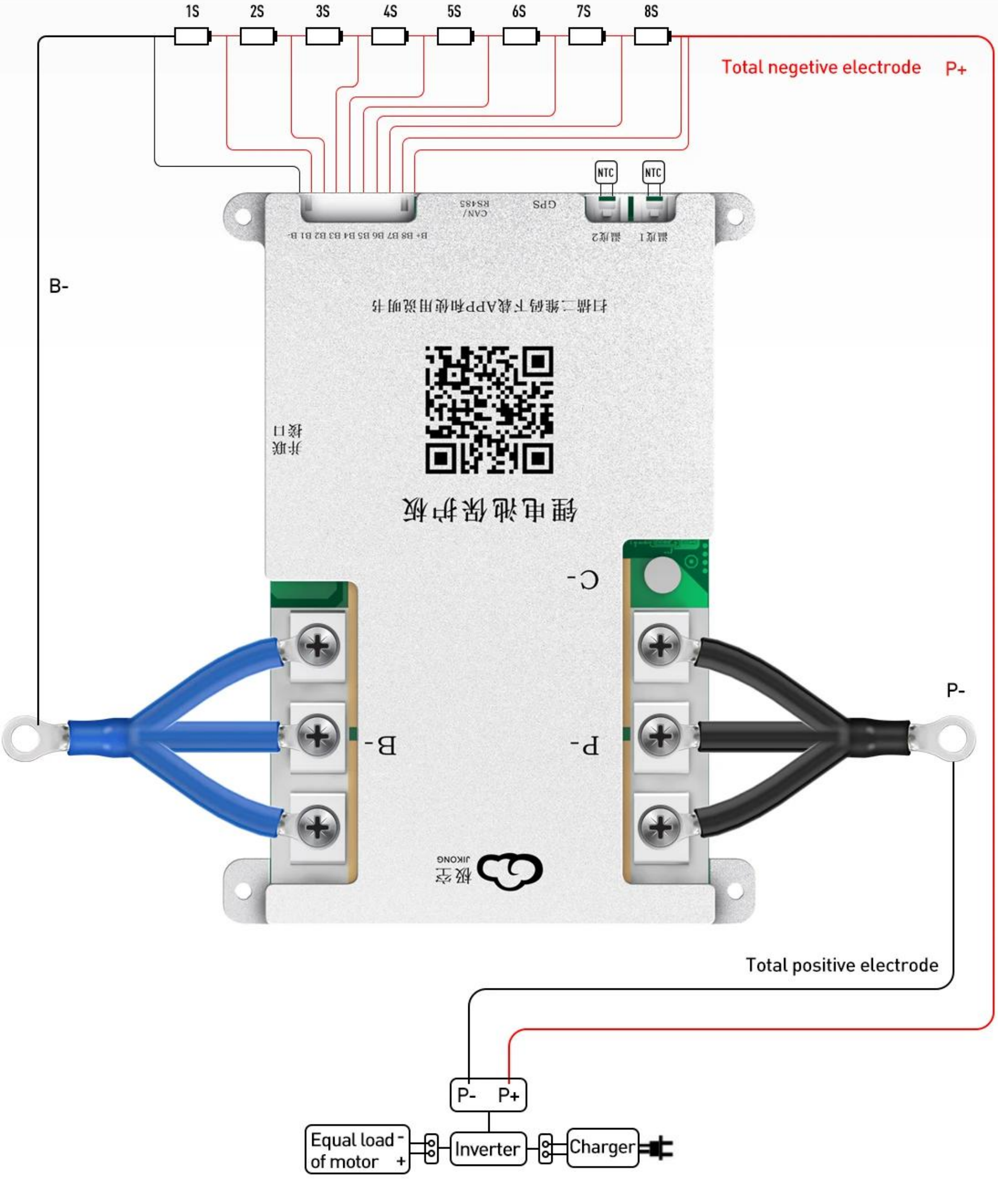
JIKONG | Official Store
4S-24S 40-300A 12V 24V 48 72V
极空
JIKONG
P-
B-
C-
锂电池保护板
扫描二维码下载APP和使用说明书
WWW.JK-BMS.COM

Note: All accessories are not included in this list. Please purchase them separately if necessary.

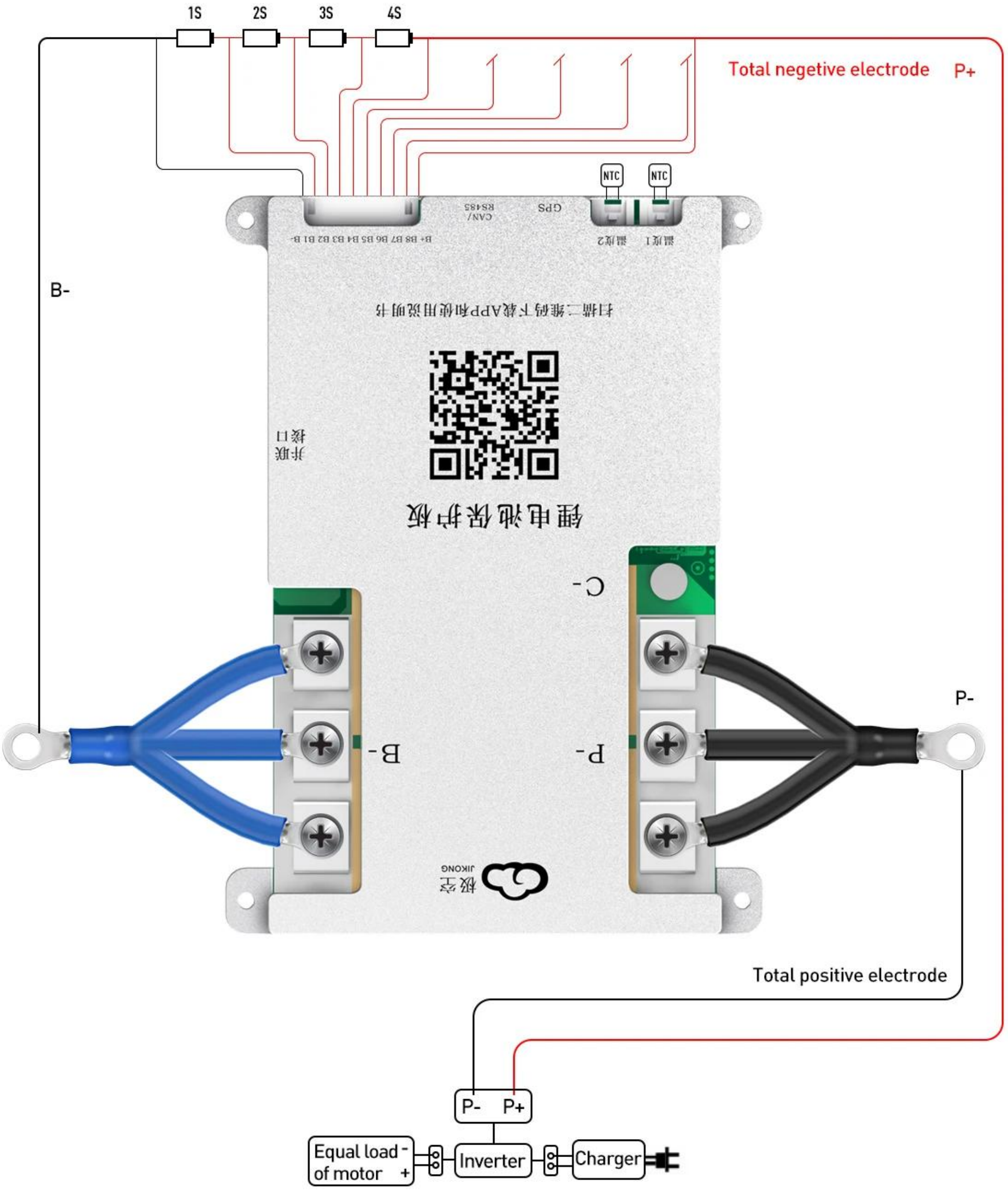
Installation And Wiring

1.Connecting all the cables.
2.Insert the cable into the bms.
3.Connect the B-line and the P-line to the battery.

The wiring method of 8-string cells


1S
2S
3S
4S
5S
6S
7S
8S
Total negetive electrode
P+
NTC
NTC
B+ B8 B7 B6 B5 B4 B3 B2 B1 B-
CAN/
RS485
GPS
温度2
温度1
B-
扫描二维码下载APP和使用说明书
并联
接口
锂电池保护板
C-
B-
P-
P-
JIKONG
极空
Total positive electrode
P-
P+
Equal load
of motor
-
+
Inverter
Charger

The wiring method of 4-string cells


1S
2S
3S
4S
Total negetive electrode
P+
B-
NTC
NTC
B+ B8 B7 B6 B5 B4 B3 B2 B1 B-
CAN/
RS485
GPS
温度2
温度1
扫描二维码下载APP和使用说明书
锂电池保护板
C-
B-
P-
P-
JIKONG
Total positive electrode
P-
P+
Equal load of motor
-
+
Inverter
Charger

Rich interface to meet daily needs

More communication modes can be
realized simultaneously through different interfaces on the BMS

CAN

RS485

BT

NTC

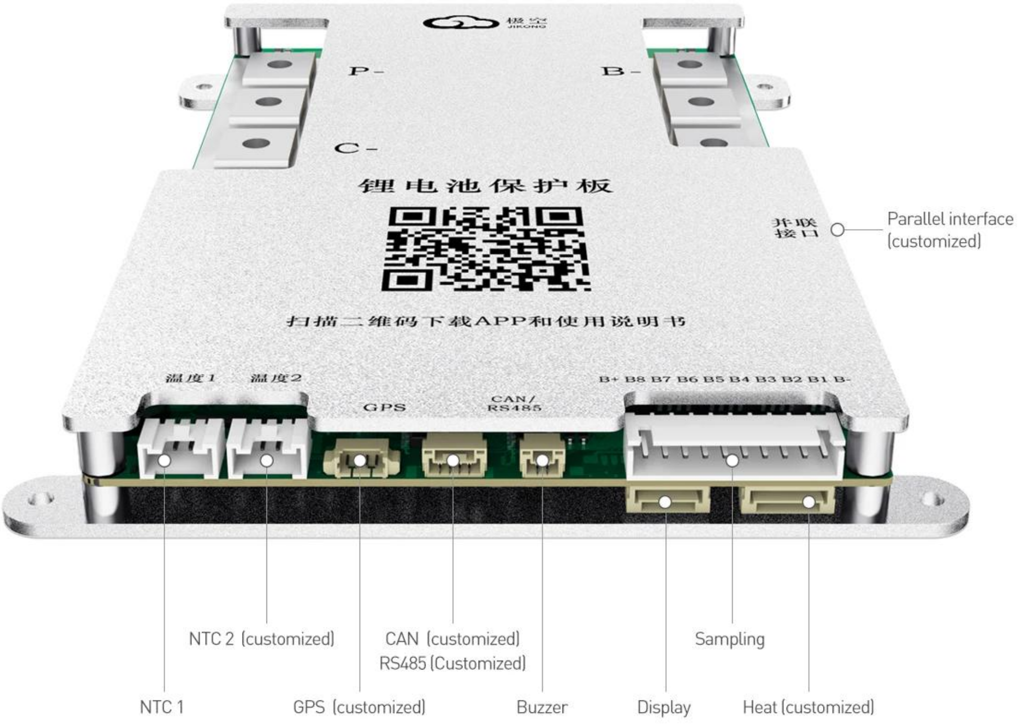
Soft Switch

SOC Indicator

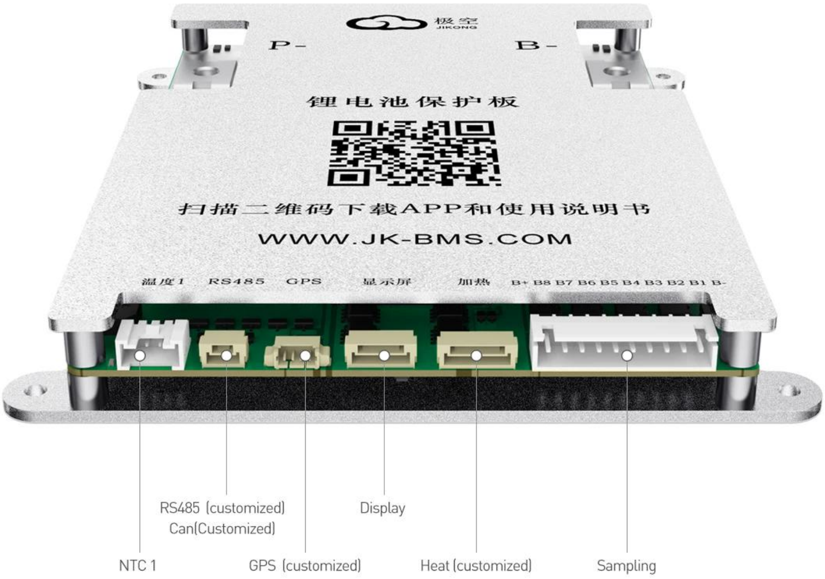
Key Switch

Active Equalizer

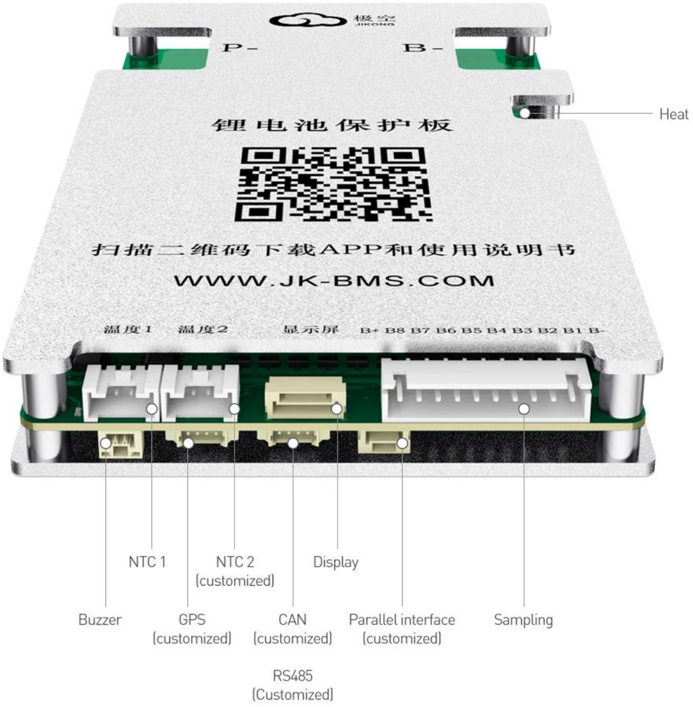
JK-B2A8S30P


极空
JIKONG
P-
B-
C-
锂电池保护板
扫描二维码下载APP和使用说明书
并联接口
Parallel interface (customized)
温度1
温度2
GPS
CAN/RS485
B+ B8 B7 B6 B5 B4 B3 B2 B1 B-
NTC 2 (customized)
CAN (customized)
RS485 (Customized)
Sampling
NTC 1
GPS (customized)
Buzzer
Display
Heat (customized)

JK-B2A8S20P JK-B1A8S20P


极空
JIKONG
P-
B-
锂电池保护板
扫描二维码下载APP和使用说明书
WWW.JK-BMS.COM
温度1
RS485
GPS
显示屏
加热
B+ B8 B7 B6 B5 B4 B3 B2 B1 B-
RS485 (customized)
Can(Customized)
Display
NTC 1
GPS (customized)
Heat (customized)
Sampling

JK-B1A8S10P


极空
JIKONG
P-
B-
Heat
锂电池保护板
扫描二维码下载APP和使用说明书
WWW.JK-BMS.COM
温度1
温度2
显示屏
B+ B8 B7 B6 B5 B4 B3 B2 B1 B-
NTC 1
NTC 2
(customized)
Display
Buzzer
GPS
(customized)
CAN
(customized)
Parallel interface
(customized)
Sampling
RS485
(Customized)

ACCURATE ACCICICNT

Efficiently balance the cell voltage difference battery performance

Intelligent active balancing technology with national patented technology

After active equalization, the battery has a longer lifespan more stable performance, and is completely more reliable

Intelligentization - Active balanced current 1A-2A intelligent adjustment, suitable for low voltage battery charging.

Safety - Intelligent control ensures balanced current, low power consumption, and low heat generation, ensuring safety and reliability.

Fully aluminum alloy shell Superior heat dissipation effect

The casing is made of aluminum alloy and adopts one-piece molding technology, with a high thermal conductivity of <300(W/(m-K)).

The thermal conductivity of iron is only <60 (W/(m-K)).
The thermal conductivity of plastic is only >1 (W/(m-K)).

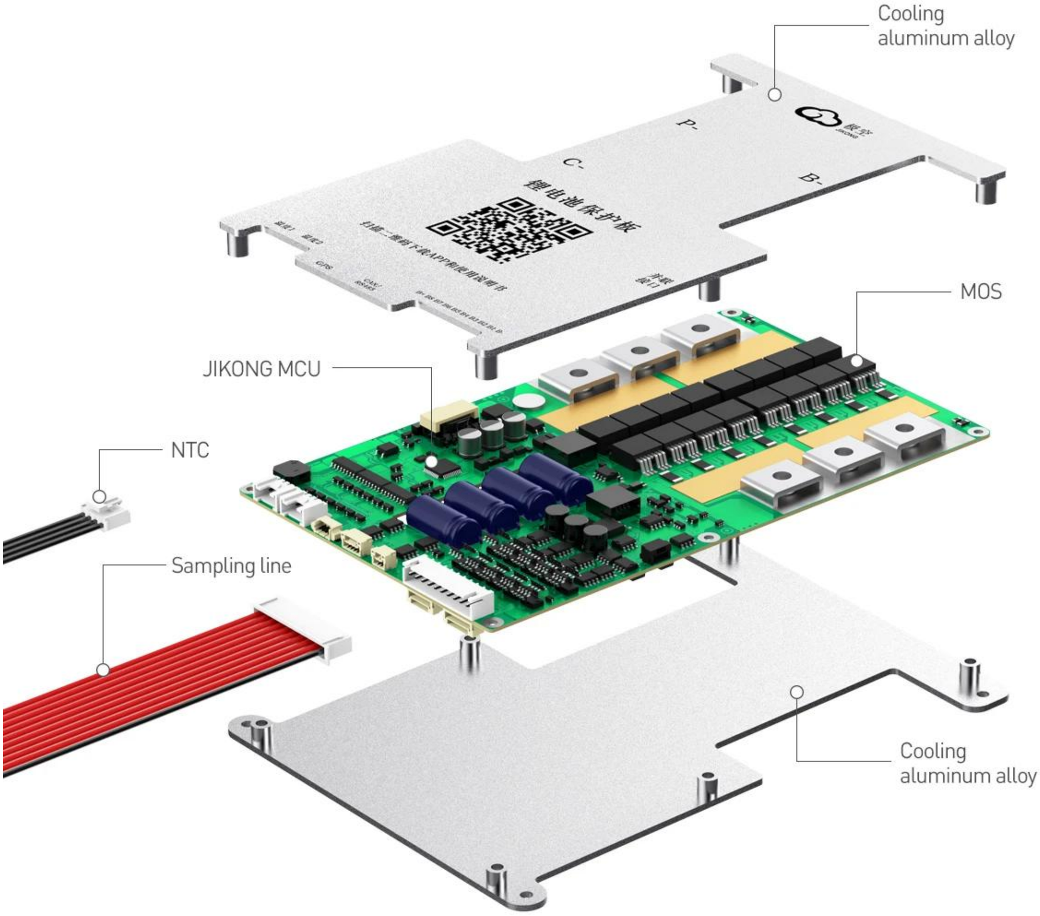
Aluminum shell adopts graphite thermal conductivity material to maximize the heat dissipation effect.

Aluminum shell surface spraying a layer of graphite material, so that the heat dissipation is more uniform, more balanced heat transfer.

极空
JIKONG
B-
P-
C-
锂电池保护板
并联接口
扫描二维码下载APP和使用说明书
B+ B8 B7 B6 B5 B4 B3 B2 B1 B-
温度1
温度2
GPS
CAN/RS485

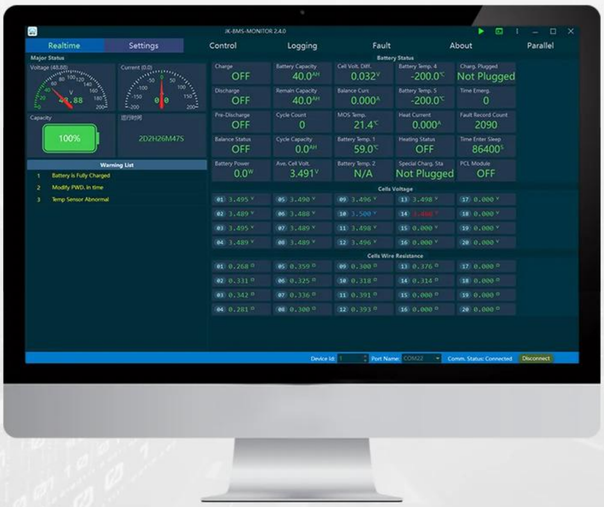
High-quality appearance and High-efficiency performance of the BMS have achieved ourhigh quality

Every part of the bms is carefully crafted.


Cooling aluminum alloy
P-
C-
B-
锂电池保护板
MOS
JIKONG MCU
NTC
Sampling line
Cooling aluminum alloy

Intelligent interaction and easyoperation

Freely adjust multiple protection values such as overcharge, overdischarge,overcurrent,temperature,and balance.If youneed to adjust the parameters,please read the internalparameters of the protection board first,and then make changes.


JK-BMS-MONITOR 2.4.0
Realtime
Settings
Control
Logging
Fault
About
Parallel
Major Status
Voltage (48.88)
Current (0.0)
Capacity
100%
Disconnect

2D2H26M47S

Warning List

1 Battery is Fully Charged
2 Modify PWD. in time
3 Temp Sensor Abnormal

Battery Status

Charge OFF	Battery Capacity 40.0 AH	Cell Volt. Diff. 0.032 V	Battery Temp. 4 -200.0 ℃	Charg. Plugged Not Plugged
Discharge OFF	Remain Capacity 40.0 AH	Balance Curr. 0.000 A	Battery Temp. 5 -200.0 ℃	Time Emerg. 0
Pre-Discharge OFF	Cycle Count 0	MOS Temp. 21.4 ℃	Heat Current 0.000 A	Fault Record Count 2090
Balance Status OFF	Cycle Capacity 0.0 AH	Battery Temp. 1 59.0 ℃	Heating Status OFF	Time Enter Sleep 86400 S
Battery Power 0.0 W	Ave. Cell Volt. 3.491 V	Battery Temp. 2 N/A	Special Charg. Sta Not Plugged	PCL Module OFF

Cells Voltage

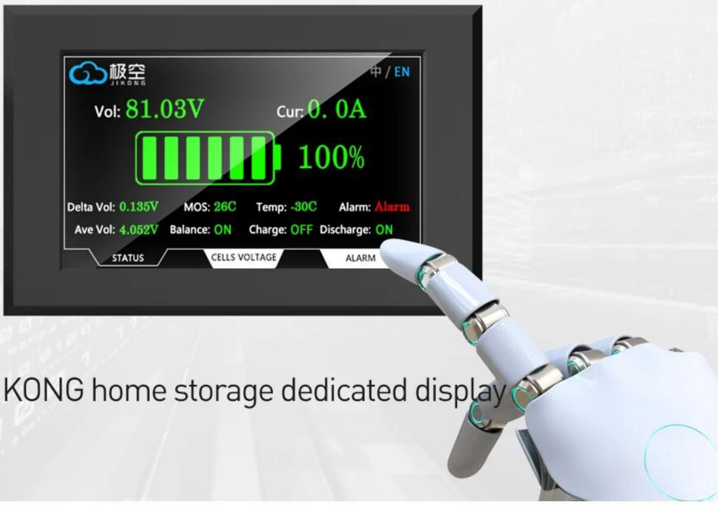
01 3.495 V	05 3.490 V	09 3.496 V	13 3.498 V	17 0.000 V
02 3.489 V	06 3.488 V	10 3.500 V	14 [illegible]	18 0.000 V
03 3.495 V	07 3.489 V	11 3.498 V	15 0.000 V	19 0.000 V
04 3.489 V	08 3.489 V	12 3.496 V	16 0.000 V	20 0.000 V

Cells Wire Resistance

01 0.268 Ω	05 0.359 Ω	09 0.300 Ω	13 0.376 Ω	17 0.000 Ω
02 0.331 Ω	06 0.325 Ω	10 0.318 Ω	14 0.314 Ω	18 0.000 Ω
03 0.342 Ω	07 0.336 Ω	11 0.391 Ω	15 0.000 Ω	19 0.000 Ω
04 0.281 Ω	08 0.300 Ω	12 0.393 Ω	16 0.000 Ω	20 0.000 Ω

Device Id: 1 Port Name: COM22 Comm. Status: Connected

With one click,you can view multiple information such asvoltage, current,temperature,and number of strings.


极空
JIKONG
中 / EN
STATUS
CELLS VOLTAGE
ALARM

Vol: 81.03V Cur: 0. 0A

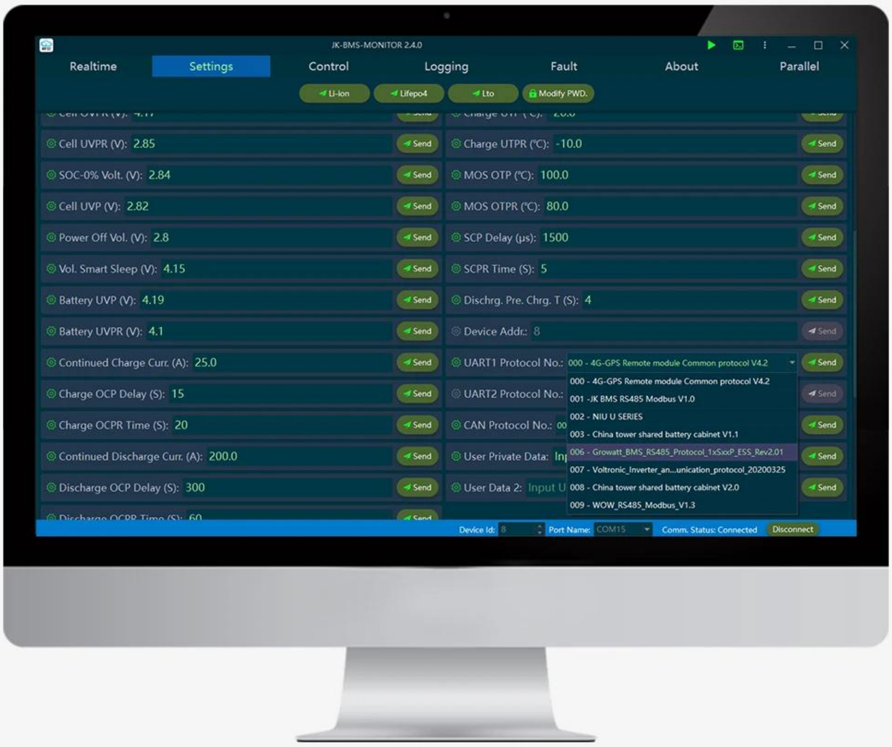
100%

Delta Vol: 0.135V MOS: 26C Temp: -30C Alarm: Alarm

Ave Vol: 4.052V Balance: ON Charge: OFF Discharge: ON

JIKONG home storage dedicated display

The inverter communication protocol can also be set through the host computer


JK-BMS-MONITOR 2.4.0
Realtime
Settings
Control
Logging
Fault
About
Parallel
Li-ion
Lifepo4
Lto
Modify PWD.
Send
000 - 4G-GPS Remote module Common protocol V4.2
001 -JK BMS RS485 Modbus V1.0
002 - NIU U SERIES
003 - China tower shared battery cabinet V1.1
006 - Growatt_BMS_RS485_Protocol_1xSxxP_ESS_Rev2.01
007 - Voltronic_Inverter_an...unication_protocol_20200325
008 - China tower shared battery cabinet V2.0
009 - WOW_RS485_Modbus_V1.3
Disconnect

Cell UVPR (V): 2.85
SOC-0% Volt. (V): 2.84
Cell UVP (V): 2.82
Power Off Vol. (V): 2.8
Vol. Smart Sleep (V): 4.15
Battery UVP (V): 4.19
Battery UVPR (V): 4.1
Continued Charge Curr. (A): 25.0
Charge OCP Delay (S): 15
Charge OCPR Time (S): 20
Continued Discharge Curr. (A): 200.0
Discharge OCP Delay (S): 300
Discharge OCPR Time (S): 60

Charge UTPR (℃): -10.0
MOS OTP (℃): 100.0
MOS OTPR (℃): 80.0
SCP Delay (μs): 1500
SCPR Time (S): 5
Dischrg. Pre. Chrg. T (S): 4
Device Addr.: 8
UART1 Protocol No.: 000 - 4G-GPS Remote module Common protocol V4.2
UART2 Protocol No.:
CAN Protocol No.: 00
User Private Data: Inp
User Data 2: Input U

Device Id: 8
Port Name: COM15
Comm. Status: Connected

Supported CAN Protocols		
Protocol Name		
JIKONG	NIU	China tower
Growatt	Voltronic	WOW

Protocol docking, fast andconvenient

Compatible with mainstream inverter communication protocolsin the market

Deye 德业

PYLONTECH

Growatt

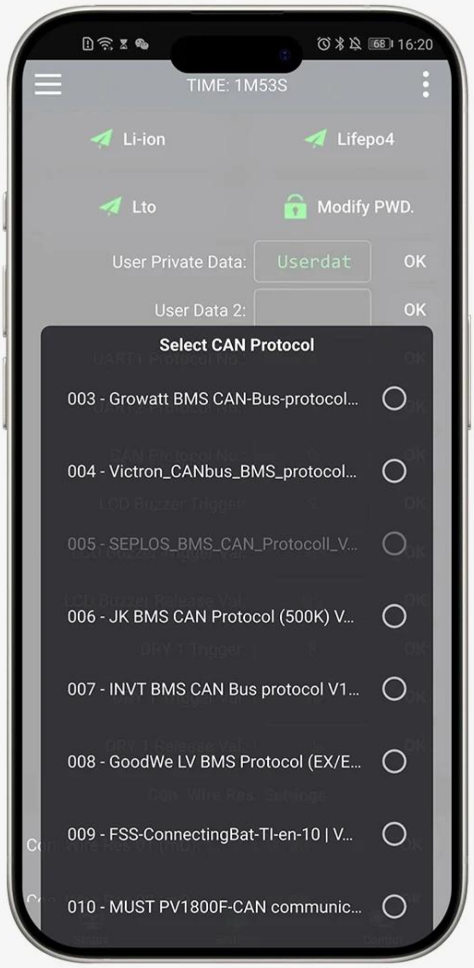
victron energy

invt

固德威 GOODWE

SMA

srne



TIME: 1M53S

Li-ion

Lifepo4

Lto

Modify PWD.

User Private Data: Userdat OK

User Data 2: OK

Select CAN Protocol

- 003 - Growatt BMS CAN-Bus-protocol... ○
- 004 - Victron_CANbus_BMS_protocol... ○
- 005 - SEPLOS_BMS_CAN_Protocoll_V... ○
- 006 - JK BMS CAN Protocol (500K) V... ○
- 007 - INVT BMS CAN Bus protocol V1... ○
- 008 - GoodWe LV BMS Protocol (EX/E... ○
- 009 - FSS-ConnectingBat-TI-en-10 | V... ○
- 010 - MUST PV1800F-CAN communic... ○

it can be easily set up through the mobile APP

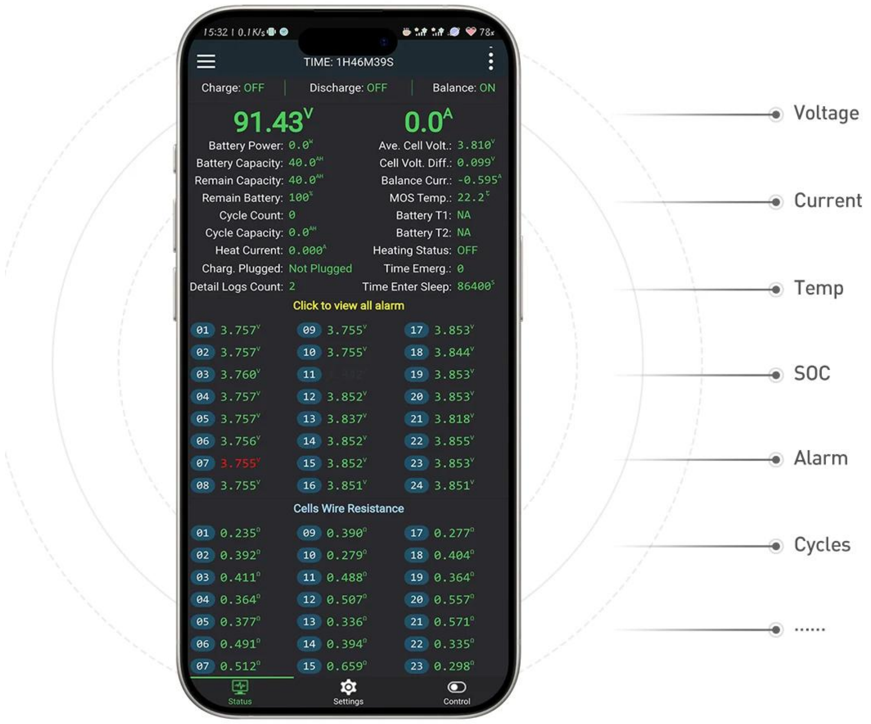
Supported CAN Protocols
Protocol Name
Low-voltage hybrid inverter CAN communication protocol
PYLON CANBUS Protocol V1.2
Growatt xxSxxP ESS Protocol V2.01
CAB-BUS_BMS_Protocol_201707
INVT BMS CAN Bus protocol V1.02
GoodWe LV BMS Protocol (CAN) V1.7(For ES/EM/S-BP/BP Series)
FSS-ConnectingBat-TI-en-10 | Version 1.0
PACE BMS Modbus Protocol for RS485

Multi-screen display, data connection

Mobile phone Bluetooth APP "JIKONG SMART BMS", a personal lithiumbattery steward installed in the mobile phone,all kinds ofinformation are clear at a glance.

APP supports IOS/Android/HarmonyOS system installation

The APP supports multiple languages,which can be switched automaticallywith the mobile phone system



TIME: 1H46M39S

Charge: OFF | Discharge: OFF | Balance: ON

91.43V 0.0A

Battery Power: 0.0W	Ave. Cell Volt.: 3.810V
Battery Capacity: 40.0AH	Cell Volt. Diff.: 0.099V
Remain Capacity: 40.0AH	Balance Curr.: -0.595A
Remain Battery: 100%	MOS Temp.: 22.2℃
Cycle Count: 0	Battery T1: NA
Cycle Capacity: 0.0AH	Battery T2: NA
Heat Current: 0.000A	Heating Status: OFF
Charg. Plugged: Not Plugged	Time Emerg.: 0
Detail Logs Count: 2	Time Enter Sleep: 86400S

Click to view all alarm

01	3.757V	09	3.755V	17	3.853V
02	3.757V	10	3.755V	18	3.844V
03	3.760V	11	[illegible]	19	3.853V
04	3.757V	12	3.852V	20	3.853V
05	3.757V	13	3.837V	21	3.818V
06	3.756V	14	3.852V	22	3.855V
07	3.755V	15	3.852V	23	3.853V
08	3.755V	16	3.851V	24	3.851V

Cells Wire Resistance

01	0.235Ω	09	0.390Ω	17	0.277Ω
02	0.392Ω	10	0.279Ω	18	0.404Ω
03	0.411Ω	11	0.488Ω	19	0.364Ω
04	0.364Ω	12	0.507Ω	20	0.557Ω
05	0.377Ω	13	0.336Ω	21	0.571Ω
06	0.491Ω	14	0.394Ω	22	0.335Ω
07	0.512Ω	15	0.659Ω	23	0.298Ω

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

Mobile APP

PC software

极空
中 / EN
STATUS
CELLS VOLTAGE
ALARM

Vol: 81.03V Cur: 0. 0A

100%

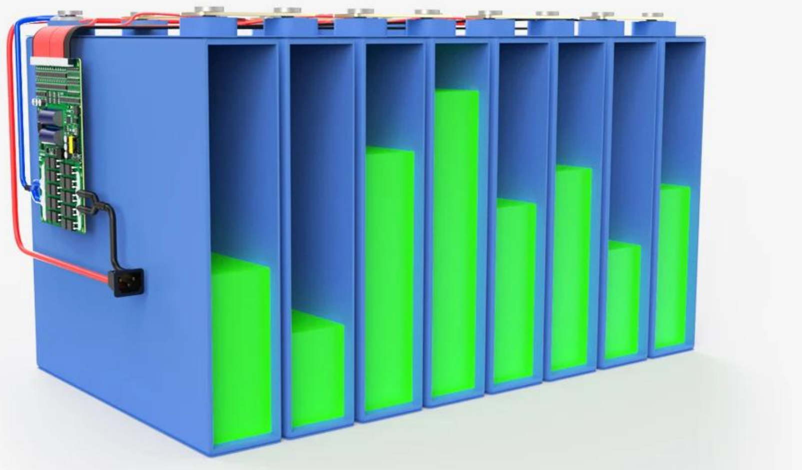
Delta Vol: 0.135V MOS: 26C Temp: -30C Alarm: Alarm

Ave Vol: 4.052V Balance: ON Charge: OFF Discharge: ON

JIKONG home storage display

Active Balancing
(Lossless Balancing)

Active Balancing is achieved through energy transfer, moving energy from cells with higher energy to cells with lower energy, achieving voltage balance with minimal energy loss.



JIKONG BMS Active Balancing Current 1A-2A

Active balancing operates whenever there is a voltage difference above the set threshold, regardless of whether the battery is charging, discharging, or idle. It works continuously until the voltage difference is within the set range.

Active balancing, involving energy transfer, does not generate heat, allowing for larger balancing currents. Typically, active balancing currents range from 1A to 2A.

Application scenarios-widely

Suitable for power lithium batteries, storage lithium batteries, outdoor batteries and other major application scenarios

E-bike

Electric Tricycle

Low Speed Quad

Forklift

Cleaning Car

Tourist Car

Industrial Drone

Scooter

RV Energy Storage

Lithium battery

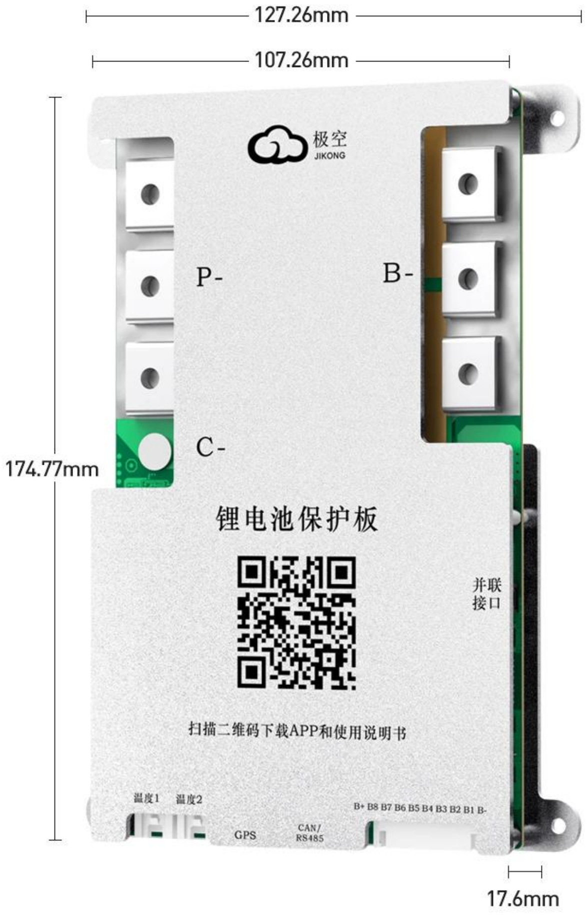
Power Bank

Storage battery

Product specification

Note: The data tolerance range is ±2mm

JK-B2A8S30P


127.26mm
107.26mm
174.77mm
17.6mm
极空
JIKONG
P-
B-
C-
锂电池保护板
并联
接口
扫描二维码下载APP和使用说明书
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温度2
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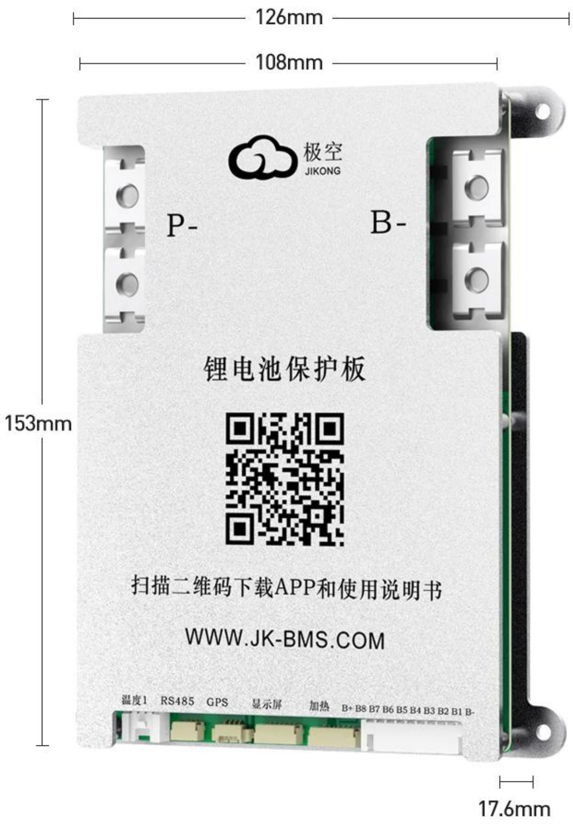
CAN/
RS485
B+ B8 B7 B6 B5 B4 B3 B2 B1 B-

JK-B2A8S20P


126mm
108mm
153mm
17.6mm
极空
JIKONG
P-
B-
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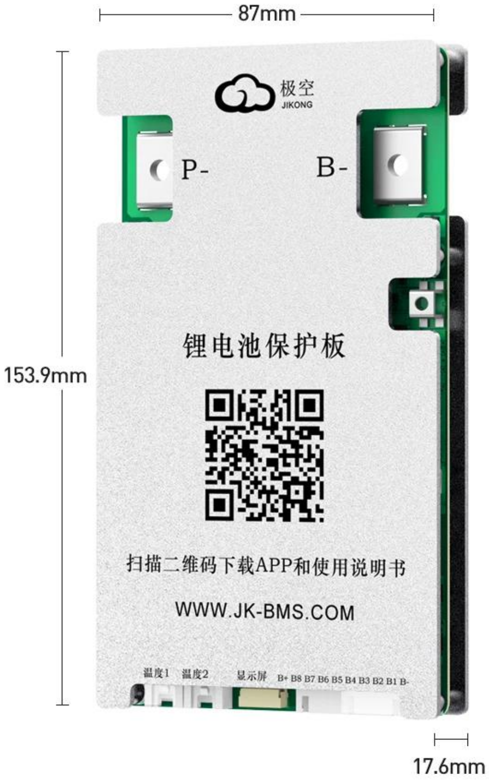
87mm
153.9mm
17.6mm
极空
JIKONG
P-
B-
锂电池保护板
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温度1
温度2
显示屏
B+ B8 B7 B6 B5 B4 B3 B2 B1 B-