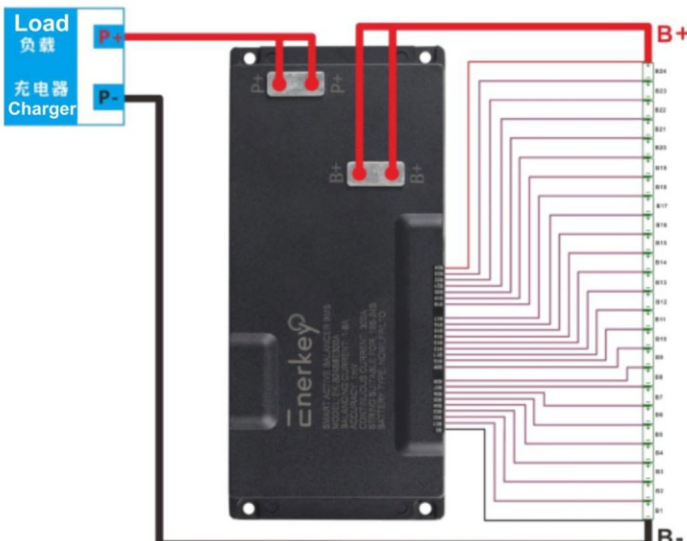
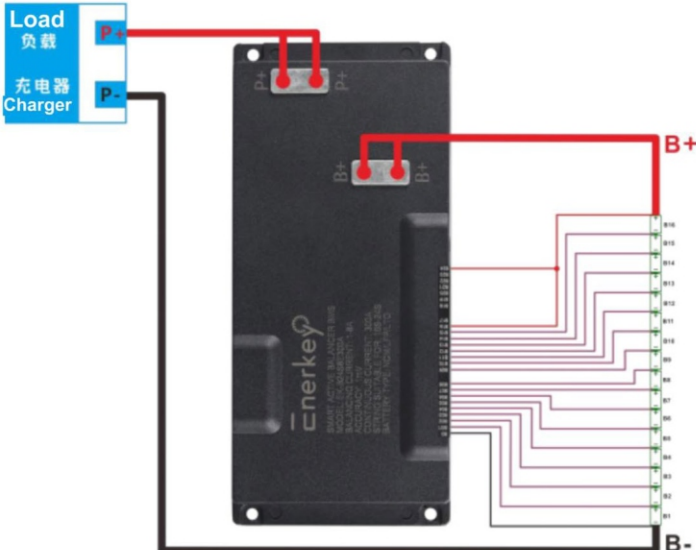


▶ EK-B24S8EB200A



| EK-B24S8EB200A Parameter Description | |
|--------------------------------------|---|
| Battery type and string | Li-ion(NCM): 16S-24S Lifepo4(LFP): 16S-24S Lto/SIB: 20S-24S |
| Continuous charge current | Default 200A /15A~200A adjustable |
| Continuous discharge current | Default 120A /15A~200A adjustable |
| For battery capacity | 15-200AH |
| Size(mm) | L237*W107*T24.5 |
| Product weight | 1500g |
| Single cell voltage collection range | 1.5V~4.5V |
| Communication Interface | RS485*1, CAN*1, Bluetooth*1 |
| Balance accuracy | 1mV (adjustable) |
| Balance current | 1A-8A (adjustable) |
| Special function | Bidirectional DC/DC active balancing, 1A-8A adjustable continuous balancing current, Support Bluetooth and APP custom settings, real-time display of battery status |
| Temperature monitor | 4 channels (1 environment, 1 MOS, 2 battery) |
| Weak current switch | Boat-shaped self-locking switch. Can control the opening and sleeping of BMS |
| Charging current limit | / |
| Base material/Surface treatment | Aluminum alloy, PC plastic, FR-4/lead-free tin-spraying |
| Remark | Charging and discharging in same port |
| Feature | Automotive-grade MOS, 2oz thickened copper foil and copper strip current sharing, high precision, ultra-low internal resistance, ultra-low heat generation, with voltage/current/temperature detection and protection functions, short circuit protection function, reverse connection protection function, battery pack capacity calculation function, line drop detection function, wrong line connection protection function, fault alarm function, communication function, host computer control function, etc. |
| Application | Special equipment PACK power supply is widely used in electric forklifts, electric four-wheel vehicles, tricycles, sightseeing vehicles, storage vehicles, ships, energy storage power supplies, emergency power supplies and other fields |

EK-B24S8EB200A Instructions

| | | | | |
|------------------------------|---|------------------------------|--------------------------------------|--------------------------|
| Installation method | <p>1.A single equalizer can connect a battery pack with up to 24 batteries in series 2.When used for a battery pack with less than 24 batteries in series, the remaining pins are left floating 3.Lithium battery protection equalization board, supports ternary and iron phosphate 16S-24S. Supports lithium titanate 20S-24S</p> | | | |
| Wiring diagram | 24S | | | |
| |  | | | |
| Wiring diagram | 16S | | | |
| |  | | | |
| Indicator description | Indicator light | Indicator light color | When the LED is always on | When LED flashes |
| | Bluetooth status indicator light | BLUE | the device is connected successfully | Device not connected |
| | Fault status indicator light | RED | internal fault | Battery detection failed |
| | Working status indicator light | YELLOW | balancing completed | Balance in progress |
| Precautions | <p>①.Installing the protection equalization board requires a certain amount of electronic knowledge ②.Welding the cable: The first cable (black line) is connected to the total negative pole of the battery, the second cable (red line) is connected to the positive pole of the first battery string, and the third cable (red line) is connected to the positive pole of the second battery string... and so on, connect all the cables ③.Detect the cable: After connecting the cable, measure the voltage between two adjacent cables from the head of the cable to confirm that there is no problem of wrong connection or missing connection in the welding sequence of the cable ④.Connect the B+ line of the protection board to the total positive pole of the battery, and then connect the sampling cable plug to the protection board. After activating the protection board, confirm that the voltage before the board (battery voltage B+.B-) and the voltage after the board (P+.P-) are consistent</p> | | | |