

▶ EK-B24S8EB250A



EK-B24S8EB250A Parameter Description	
Battery type and string	Li-ion(NCM): 16S-24S Lifepo4(LFP): 16S-24S Lto/SIB: 20S-24S
Continuous charge current	Default 250A /15A~250A adjustable
Continuous discharge current	Default 120A /15A~250A adjustable
For battery capacity	15-250AH
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-B24S8EB250A Instructions				
Installation method	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			
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	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			