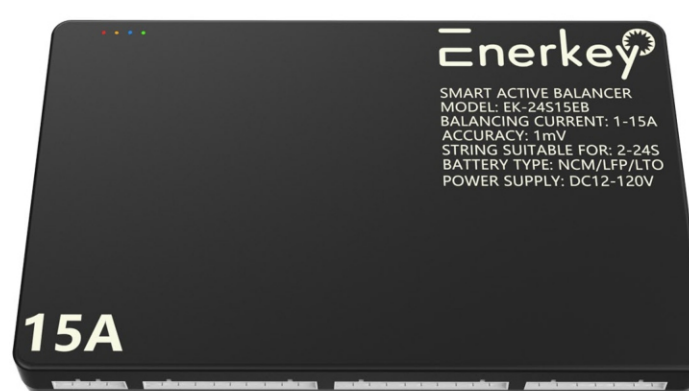


▶ EK24S15EB



EK-24S15EB Parameter Description	
Size(mm))	L313*W193*T43mm
Weight with box	2.85kg
Battery type	NCM / LFP/ LTO (Li-ion/Lifepo4/Lto)
Battery string	External power supply: 2S~24S
	Powered by battery: 4S~24S
Base material /Surface treatment	FR-4/HASL
Single cell voltage collection range	1.5V~4.5V
Undervoltage protects sleep voltage	APP custom Setting: 1.5V~4.2V
Equilibrium method	Time-sharing single channel transfer, point-to-point energy transfer
Balanced Cascading	Support balanced cascading for battery packs, for example , it can cascade for 11S , 24S ,36S , 48S....and so on
Equilibrium current	APP custom Setting: 1A-15A
External interface	TTL
Whether need an external power supply	When the total voltage of the battery system is lower than 12V, an external boost module or external power supply is required.
Voltage equalization accuracy	APP custom Setting: 1mV(Typical accuracy)
Feature	Supports Bluetooth and APP custom settings, real-time display battery status, support cascading, power-off detection, wrong wiring protection, reverse connection protection, fault alarm, etc.
Application	Used for battery packs of small sightseeing vehicles, scooters, shared cars, high-power energy storage, base station backup power supplies, solar power stations, etc., for battery balancing maintenance and repair, etc.

EK-24S15EB Instructions

	<p>24S</p> <p>EK-24S15EB supports 2S-24S. The following figure shows how to install and connect cables to the 24S battery string</p>																				
	<p>EK-B24S15EB 24S 接线图 EK-B24S15EB 24S Wiring Diagram</p> <p style="text-align: right;">24S 请在APP设置电池数量为24S You need to connect Bluetooth and set the number of battery strings in the app to 24S</p>																				
	<p>17S</p> <p>When less than 24 battery strings are connected in series, empty pins are suspended. The following uses 17S as an example</p>																				
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Wiring diagram	<p>3S</p> <p>If the battery string has a total voltage lower than 12V, you need to connect 12V to 120V DC power supplies. The following uses 3S as an example</p>																				
	<p>EK-B24S15EB 3S 接线图 EK-B24S15EB 3S Wiring Diagram</p> <p style="text-align: right;">3S 请在APP设置电池数量为3S You need to connect Bluetooth and set the number of battery strings in the app to 3S</p>																				
	<p>40S</p> <p>EK-24S15EB supports cascading use, and at least one battery between every two equalizers is the "common end of energy exchange". The following uses the 40S as an example to describe how to install and connect cables</p>																				
	<p>EK-B24S15EB 40S 级联接线图 EK-B24S15EB 40S Cascade Diagram</p> <p style="text-align: right;">21S (1) 请在APP设置级联电池数量为21S You need to connect Bluetooth and set the number of battery strings in the app to 21S</p> <p style="text-align: right;">20S (2) 请在APP设置级联电池数量为20S You need to connect Bluetooth and set the number of battery strings in the app to 20S</p>																				
Wiring precautions	<ol style="list-style-type: none"> ①. Installing an equalizer requires a certain amount of knowledge about electronics. ②. When connecting cables, solder the terminal cable to the battery string, and then insert the equalizer. ③. When cascading is used, connect "IN-" to the lowest string of the battery string connected to the equalizer, and "IN+" to the highest string of the battery string connected to the equalizer. ④. The cascade is used in a high-voltage environment. Please check whether the wiring is incorrect. If it cannot be used after connection, please contact after-sales personnel for the corresponding cascading diagram. ⑤. To EK-24S15EB, "IN-" is always connected to the total negative electrode of the battery pack; "IN+" is always connected to the total positive terminal of the battery pack. 																				
Indicator light description	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 25%;">Indicator</th> <th style="width: 25%;">Indicator color</th> <th style="width: 25%;">Indicator Steady on</th> <th style="width: 25%;">Indicator Flashed</th> </tr> </thead> <tbody> <tr> <td>Power supply</td> <td>Green</td> <td>Power good</td> <td>/</td> </tr> <tr> <td>Bluetooth</td> <td>Blue</td> <td>Connection successful</td> <td>Connection break</td> </tr> <tr> <td>Balance</td> <td>Yellow</td> <td>Balanced completion</td> <td>In balance</td> </tr> <tr> <td>Fault</td> <td>Red</td> <td>The number of batteries does not match the configuration</td> <td>The resistance of the equalizing line is too large</td> </tr> </tbody> </table>	Indicator	Indicator color	Indicator Steady on	Indicator Flashed	Power supply	Green	Power good	/	Bluetooth	Blue	Connection successful	Connection break	Balance	Yellow	Balanced completion	In balance	Fault	Red	The number of batteries does not match the configuration	The resistance of the equalizing line is too large
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