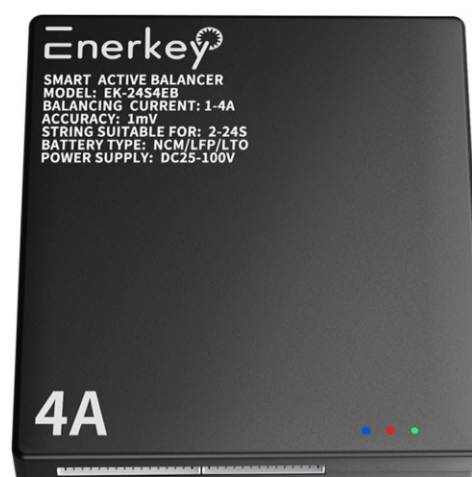


▶ EK24S4EB



EK-24S4EB Parameter Description	
Size(mm)	L140*W128*T22mm
Weight with box	0.52kg
Battery type	NCM / LFP/ LTO (Li-ion/Lifepo4/Lto)
Battery string	2S~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-4A
External interface	NA
Whether need an external power supply	No external power supply is required; when the total voltage is lower than 25V, an external DC 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-24S4EB Instructions

	<p>5S</p> <p>If the battery string has a total voltage lower than 25V, an external 30V to 100V DC power supply is required. The following uses 5S as an example</p>	<p>10S</p> <p>When less than 24 battery strings are connected in series, the empty pin is left empty. The following uses 10S as an example</p>																				
Wiring diagram	<p>EK-24S4EB_5S 接线图 EK-24S4EB_5S Wiring Diagram</p> <p>24串飞跨超级电容智能主动均衡应用接线图 Flying super capacitor intelligent active equalization</p> <p>24S典型接线应用 (24s typical application wiring diagram)</p> <p style="font-size: small;">请在APP设置电池串数为5S Please set the battery string to 5S in the APP</p>	<p>EK-24S4EB_10S 接线图 EK-24S4EB_10S Wiring Diagram</p> <p>24串飞跨超级电容智能主动均衡应用接线图 Flying super capacitor intelligent active equalization</p> <p>24S典型接线应用 (24s typical application wiring diagram)</p> <p style="font-size: small;">请在APP设置电池串数为10S Please set the battery string to 10S in the APP</p>																				
	<p>24S</p> <p>A single equalizer supports 2S-24S. The following figure shows how to install and connect cables</p>																					
	<p>EK-24S4EB_24S 接线图 EK-24S4EB_24S Wiring Diagram</p> <p>24串飞跨超级电容智能主动均衡应用接线图 Flying super capacitor intelligent active equalization</p> <p>24S典型接线应用 (24s typical application wiring diagram)</p> <p style="font-size: small;">请在APP设置电池串数为24S Please set the battery string to 24S in the APP</p>																					
	<p>32S Cascading</p> <p>The EK-24S4EB can be used in cascading mode. At least one battery is used as the common end of the energy exchange between two equalizers. The following uses 32S as an example.</p>																					
	<p>EK-24S4EB_32S 级联接线图 EK-24S4EB_32S Cascade Diagram</p>																					
Wiring precautions	<p>①. Installing an equalizer requires a certain amount of knowledge about electronics.</p> <p>②. When connecting cables, solder the terminal cable to the battery string, and then insert the equalizer.</p> <p>③. When cascading is used, there is at least one common end of energy exchange between each two equalizers. During welding, pay attention to whether the connection is correct and whether there is a phenomenon such as false welding.</p> <p>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 cascade diagram.</p>																					
Indicator light description	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Indicator</th> <th>Indicator color</th> <th>Indicator Steady on</th> <th>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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