

▶ EK16S4EB



EK-16S4EB Parameter Description	
Size(mm)	L123*W94*T20mm
Weight with box	0.22kg
Battery type	NCM / LFP (Li-ion/Lifepo4)
Battery string	2S~16S and 15S~16S Option
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	When the total voltage of the battery system is lower than 40V, an external boost module or external power supply is required.
Voltage equalization accuracy	External power supply (Accuracy±1mV)
	Powered by battery (Accuracy±3mV)
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-16S4EB Instructions

	<p>16S A single equalizer supports 15S-16S. The following figure shows the installation and wiring method for a 16S battery pack</p>	<p>15S When used in a battery pack with less than 16 batteries in series, the remaining pins are left hanging. Take 15S as an example, the installation and wiring method is as follows</p>																
Wiring diagram																		
	<p>30S Cascading EK-16S4EB supports cascading. There is at least one battery between every two equalizers as the common end for energy exchange. Taking 30S as an example, the installation and wiring method is as follows</p>																	
Wiring precautions	<p>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, 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. 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="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Indicator</th> <th>Indicator color</th> <th>Indicator Steady on</th> <th>Indicator Flashed</th> </tr> </thead> <tbody> <tr> <td>Bluetooth</td> <td>Blue</td> <td>Connection successful</td> <td>Connection break</td> </tr> <tr> <td>Fault</td> <td>Red</td> <td>internal fault</td> <td>Battery detection Not go</td> </tr> <tr> <td>Balance</td> <td>Yellow</td> <td>Balanced completion</td> <td>In balance</td> </tr> </tbody> </table>		Indicator	Indicator color	Indicator Steady on	Indicator Flashed	Bluetooth	Blue	Connection successful	Connection break	Fault	Red	internal fault	Battery detection Not go	Balance	Yellow	Balanced completion	In balance
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