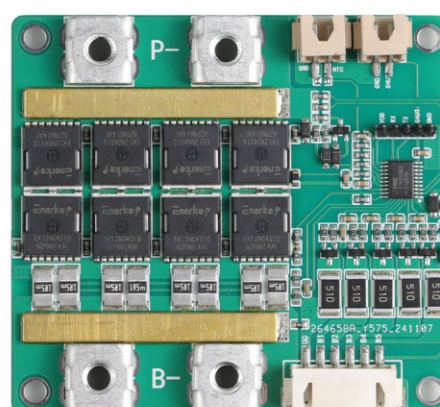
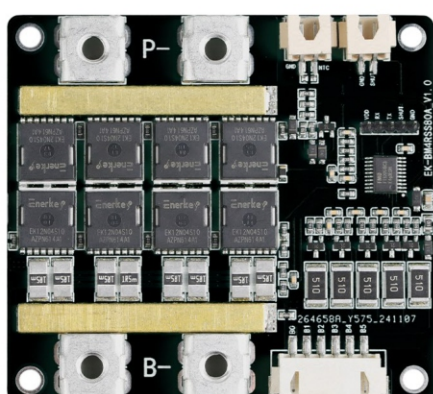


# ▶ EK-BM3R4S120A



EK-BM3R4S120A Parameter Description	
Battery string	3S/4S
Size(mm)	L75*W68*T15
Weight	100g
Continuous current	120A
Peak current	300A
Temperature protect	With
Balancing	With passive balancing
Battery type	Li-ion/Lifepo4/Lto/SIB
Base material/Surface treatment	FR-4 / Lead-free spray tin
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 Overcharge protection, over-discharge protection, over-current protection, over-temperature protection, short-circuit protection, anti-static protection, dust and moisture protection, etc.
Application	Battery packs for electric vehicles, electric motorcycles, tricycles, sightseeing vehicles, outdoor energy storage, home energy storage, etc.

EK-BM3R4S120A Instructions		
Wiring diagram	3S	4S
Wiring precautions	<p>①. Installing the protective board requires a certain amount of technical electronic knowledge</p> <p>②. Please solder the battery voltage collection line to the protective plate first, and then install it on the battery pack to fix it. Follow the order of welding from low to high, from B-..B1..B2</p> <p>③. The connection between the battery terminal B- and the protection board terminal B- should be short and thick, otherwise it will cause the protection board to charge and discharge in advance and malfunction. You need to use thick wires when wiring P+/P-. Wires that are too thin and too long will burn the board!</p> <p>④. After connecting the battery, please pay attention to the insulation protection of the product to avoid short circuit when the power is on</p>	
Frequently Asked Questions	Phenomenon	Solution
	<p>After the protective board is installed, No output or wrong output voltage</p> <p>After the protective board is installed, After using it for a while, the power was cut off</p>	<p>① Activate the protection board: Connect the charger to power on or short-circuit P- and B- for 2-3 seconds.</p> <p>② Then measure whether the output voltage is normal; The wiring order is wrong: measure whether the voltage of each battery string is normal.</p> <p>Check whether the installation position of the NTC probe is normal, It should be installed close to the battery and not placed on the protective board</p>