Inductive energy transfer equalization board, high current 1.2A energy transfer battery voltage balancer, significantly balance battery voltage, improve the overall efficiency of the battery pack!

Balance indication:

1. When the equalization light is on, the equalization work is turned on.

2. The equalization light goes out, the equalization circuit sleeps,

3. The equalization light flashes, the string indication is lost, or the circuit is faulty.

Principle of equilibrium:

This module is adjacent to the differential pressure equalization, and the adjacent battery voltage difference reaches 0.1V or more. The internal trigger balance is working until the adjacent battery voltage difference stops within 0.03V. There is an adjacent differential pressure when charging and discharging on the battery pack. Trigger equalization, the battery pack voltage error will be pulled back to the ideal value, reducing battery maintenance costs.

Technical Parameters:

Working voltage is 2.0V-4.5V, ternary iron lithium battery is common, lithium cobalt oxide battery is not applicable.

Equilibrium current:

Adjacent pressure difference is 0.1V or more (current is about 0.5-0.7A);

Adjacent pressure difference is above 0.2V (maximum equalization current is 1.2A);

The smaller the differential pressure, the smaller the equalization current.

New feature:

Features a new balance board: a blanking diode is added. The extinguishing diode is often used together with the energy storage element to prevent sudden changes in voltage and current, provide access and protect the balance board. Another change is the use of inductance with greater volume and power, which promotes heat dissipation.

New size

Technical Parameter	Technical parameters of Inductance Balancer														
	2S	3S	4S	5S	6S	7S	8S	9S	10S	11S	12S	13S	14S	16S	17S
Applicable string number	The inductance equalization board is not recommended to be compatible with low series, the indicator will flash and report an error, it cannot be used as a maintenance tool														
	and the equalization efficiency is relatively low.														
Applicable battery type	NCM/LFP Ternary Lithium/Lithium Iron														
Single voltage working range	NCM/LFP version: 3.0-4.2V														
Voltage balance accuracy	Adjacent voltage difference 30mV (typical value)														
Balanced method	Detect the nearby battery voltage difference is greater than 0.1V to trigger the start of equalization, the adjacent battery voltage difference is less than 0.03V to stop working														
Balance current	The voltage difference is 0.1V, the balance current is 0.5A, and the voltage difference is above 0.2V to achieve the maximum balance current and the balance current is 1.2A.														
Undervoltage protection sleep voltage	Adjacent pressure difference is less than 0.03V and enters dormant state														
Static working current	0.01mA														
Product size (MM)	24*20*6.5	40*23*6.5	55*23*6.5	42*45*6.5	55*45*6.5	55*45*6.5	70*45*6.5	70*45*6.5	56*65*6.5	77*40*6.5	72*65*6.5	72*65*6.5	81*65*6.5	72*85*6.5	72*85*6.5
Working temperature	(-20℃-60℃)														
External power supply	No need for an external power supply, relying on the internal energy transfer of the battery to achieve adjacent equalization														

Wiring definition:

B-, the total negative pole of the battery pack (the negative pole of the first battery)

B1, the positive electrode of the first battery

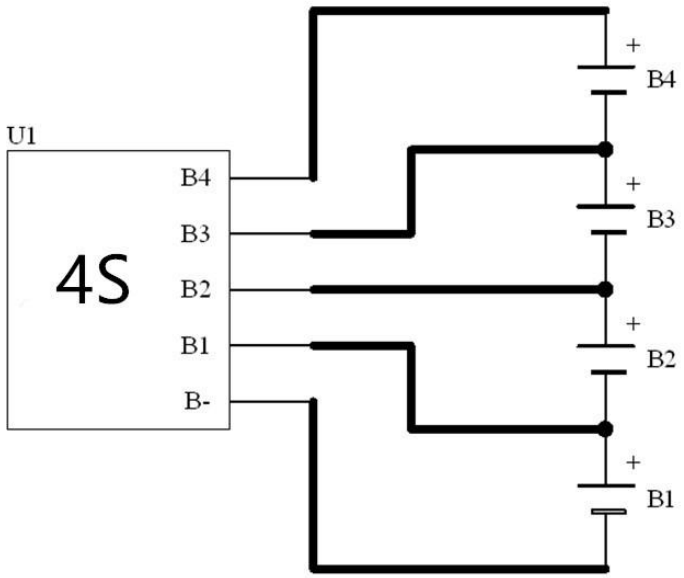
B2, the positive electrode of the second battery

B3..... and so on.

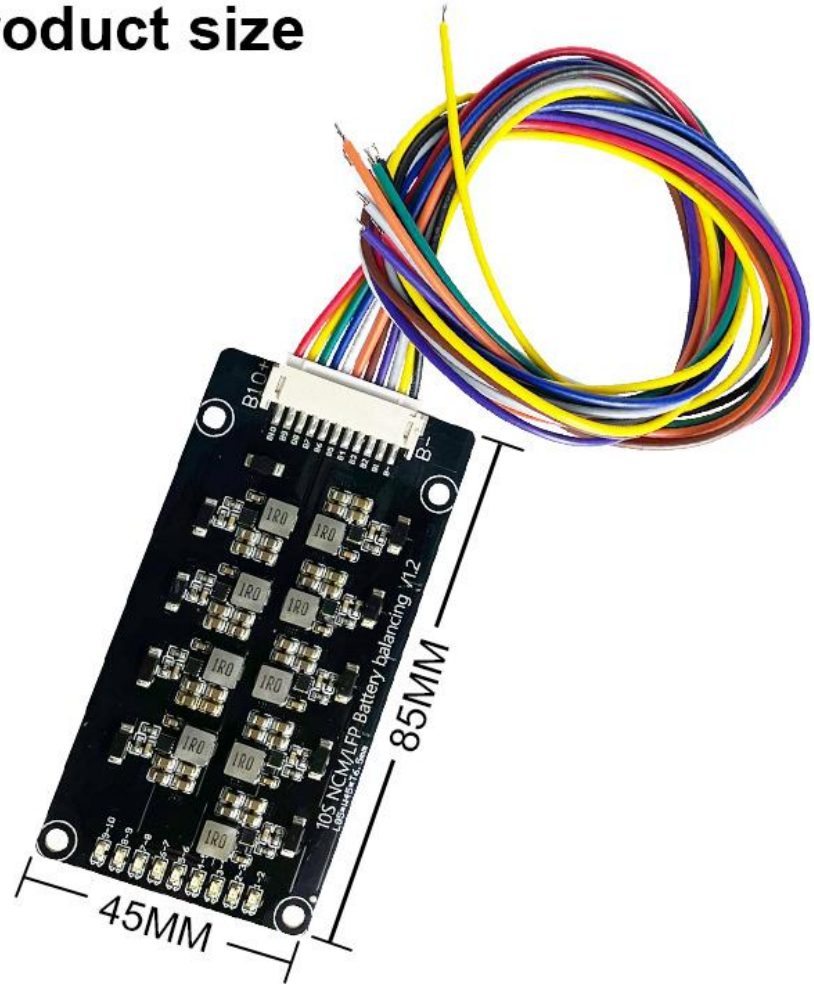
Connection

The four-string wiring diagram is as follows, and the other serial numbers are like this!

Note (13 or more string plugs need to be inserted obliquely, first touch the B-pins and insert them obliquely upwards, otherwise it may cause the board to burn out)


U1
4S
B4
B3
B2
B1
B-
+
B4
+
B3
+
B2
+
B1

Product size



The new version has new size.