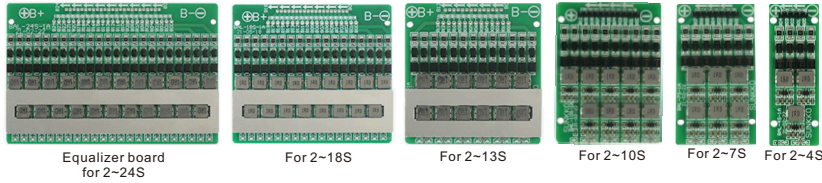


## Non energy consumption and energy transfer equalizer board



### Product parameters

Product name	Equalization board for lithium battery	Product model	BAL-24S
Applicable battery type	Lithium ternary lithium iron phosphate	Suitable series of battery	2-24 series
Suitable series of battery	1.2A (Maximum)	Static state current of cell	$\approx 2\mu\text{A}$
The difference voltage of startup	$\approx 0.1\text{V}$	Exchange rate of equalization	1MHZ
Transfer rate of equalization	$\approx 92\%$	Unit over current protection value	2.3A $\pm$ 0.2A
Surge voltage absorb of unit	5V	PCB size	74x110mm

### Work light indication

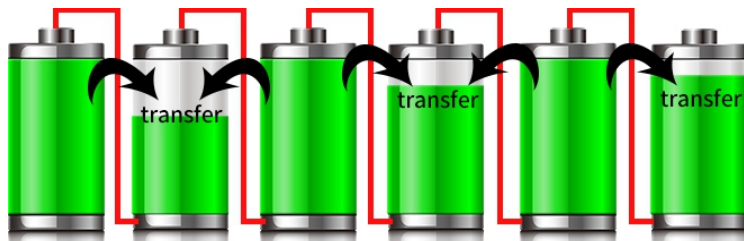
- >>LED light is on that means it is in equalization procedure.
- >>The flashing LED represent the equalization procedure is almost finished.
- >>The turn off LED light represent the equalization work is finished.

### Scope of application



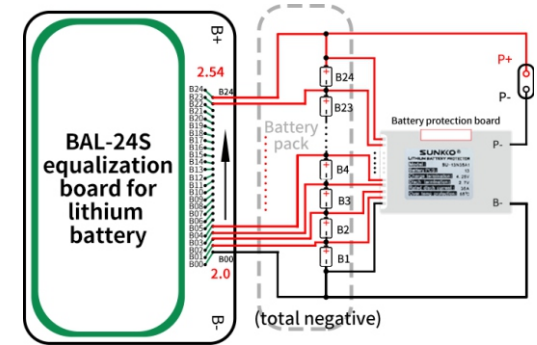
### Working principle

The equalizer can detect the adjacent the series of battery automatically for difference voltage. The core starts to equalize voltage automatically in first stage continuously when difference voltage  $\approx 0.1\text{V}$  after detection. There are 3 stages modes. The first stage is continuously working. The second stage is intermittently working. The third stage is in stopping working. The difference voltage for equalized is less than  $0.03\text{V}$ .

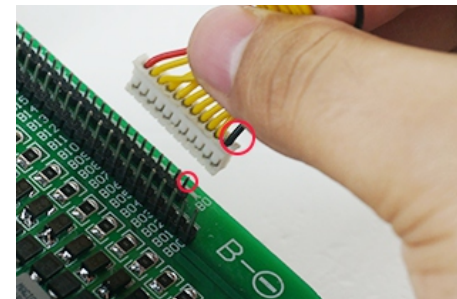
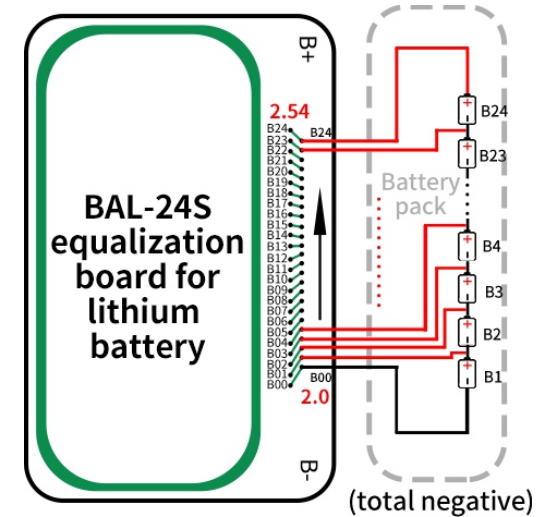
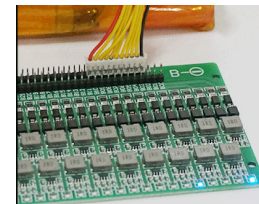


### Connection

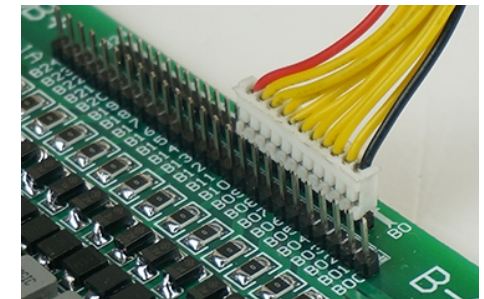
#### Connection drawing with protective board



#### Connection drawing with equalization board



The black wire of negative pole must connect to "B-00". The wrong connection will cause equalization board in damaged.



The right connection drawing