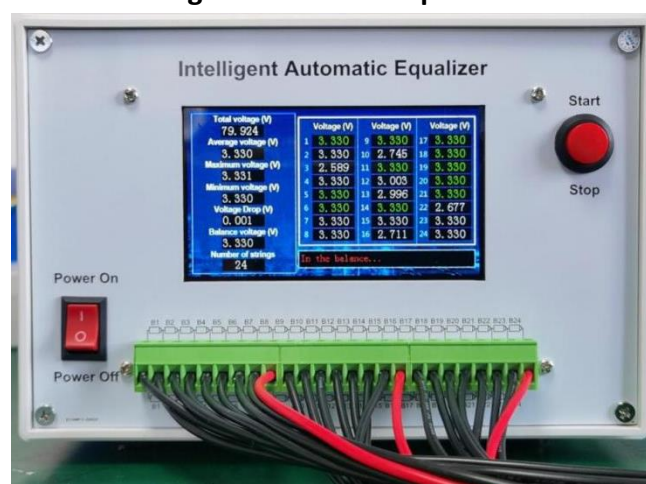


## 24S intelligent automatic equalizer Manual



### Product introduction:

1. Support 2~24S lithium batteries (Li-ion, Lifepo4, LTO, battery voltage between 2V~4.5V).
2. Uniform voltage is automatically identified as the lowest voltage of the battery series.
3. Automatic identification series of the battery pack.
4. Reverse connection, overvoltage 4.5V, low voltage protection (2V) alarm.
5. After balancing is completed, the system automatically stops and generates an alarm.
6. Equalizer belongs to constant resistance discharge mode, constant resistance value 1 ohm (LI-ION max current up to 5A).
7. Display content (each series of voltage, total voltage, average voltage, maximum voltage, minimum voltage, maximum differential pressure, balanced voltage, Number of battery series).
8. Easy operation, simple and easy to use.
9. Good effect and fast speed.
10. Single series input interface voltage (-100V~+100V).
11. External power supply 12V5A.

### Using steps:

1. Power on and start the equipment.
2. Connect the battery pack according to the wires marked on the equalizer or terminal board.
3. Check whether the voltage and series numbers displayed on the display screen are normal. If not, check the wiring or battery.
4. Start balancing, check whether the balancing voltage is normal, and stop automatically after balancing.

### Battery Maintenance Procedure:

There is bad cell: replace the cell - fully charged- balance- fully charged- complete the maintenance of the battery.

There is no bad cell: fully charged- balance- fully charged- complete the maintenance of the battery.  
if the effect can not be achieved, it can be repeated many times.

### Attention:

1. Due to the large equalizing current, the balancing wires should be thick enough; otherwise, the wires will be burned or other problems will occur.
  2. B- is the negative of the battery pack. B1 is the first series from the negative.
- When it is balancing, please be sure inject rot free channel line do not touch the battery, otherwise it may damage the machine

**Make sure that the connection is correct several times before connecting it to the balancing device.**