

2-24S Intelligent Automatic Equalizer Instruction Manual

Heltec Energy

(HTB-J24S04A/HTB-J24S07A)



1. Product Parameters

Technical Index	2~24S 3/4A Intelligent Battery Equalization Instrument	2~24S 1-7A Intelligent Battery Equalization Instrument
Model SKU	HTB-J24S04A	HTB-J24S07A
Picture	Intelligent Automatic Equalizer Start Story Power On Power On	Intelligent Automatic Equalizer Total State Control Total State Contro
Applicable Battery Strings	2-248	
Support battery type	NCM/LFP/LTO/ Nominal voltage between 2V and 4.5V	
Maximum / Minimum Measuring Voltage	4.5V/2V	
Max Balancing Current	3A for lifepo4 / 4A for ternary	7 A
Balancing Type	Discharge balancing	
Single string input interface withstand voltage	-100V~+100V	
external power supply	12V 5A	



2. Product Appearance





HTB-J24S04A

HTB-J24S07A

Intelligent Automatic Equalizer





HTB-J24S04A

HTB-J24S07A





HTB-J24S04A

HTB-J24S07A



3. Product Dimension



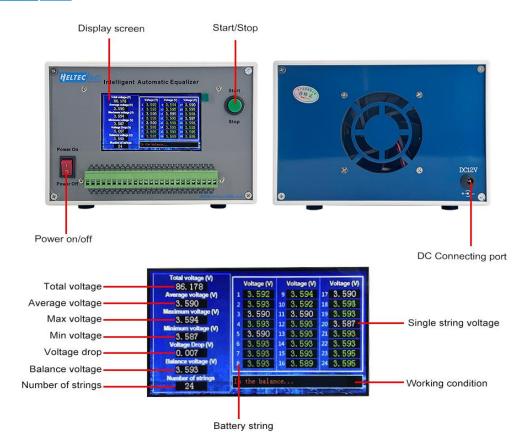
HTB-J24S04A

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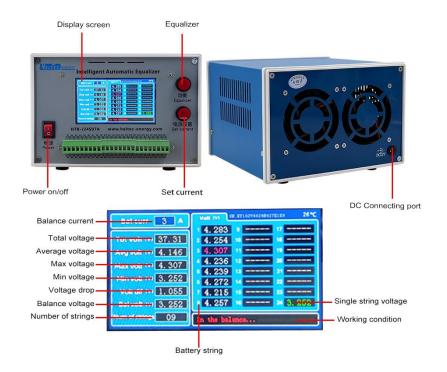
*Note: Please refer to the actual size. There is a slight error in manual measurement.

4. Display Content

- Voltage of each cells;
- The total voltage;
- The average voltage;
- The maximum voltage;
- The minimum voltage;
- The maximum voltage difference;
- The balanced voltage;
- Number of strings of the battery pack cells.



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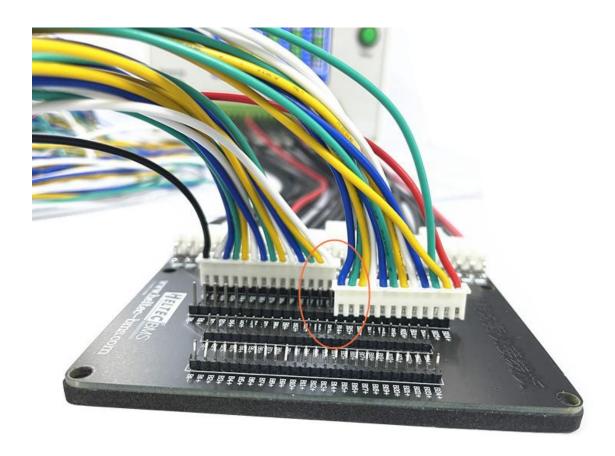


5. Operation Steps

- 1.Power on the instrument.
- 2. Wire the batteries according to the sequence of markings on the instrument or wiring board.
- 3.Check if the voltage and cell numbers displayed on the screen are correct. If not, check the wiring and battery again.
- 4.Start the equalization and check if the balance voltage is correct. After the equalization is completed, the instrument will automatically stop.

*Note:

The wiring board has markings of sequence on it. Please note that repeated connection of the same pin will form a short circuit and damage the battery and instrument!





6. Battery Maintenance Steps

- 1. There is a faulty battery cell: replace the cell fully charged balance fully charged battery maintenance is completed.
- 2. There is no faulty battery cells: fully charged balance fully charged battery maintenance is completed.
- 3.If one time equalization cannot achieve the desired effect, it can be repeated multiple times for better results.

7. Attention

- 1.Due to the large balancing current, the wires should be thick enough, otherwise it may burn out or cause other problems.
- 2.B refers to the negative pole of the battery pack, B1 is the first string from the negative pole, and it is prohibited to connect more batteries during equalization.
- 3. When balancing, please be careful not to touch the battery with the wires disconnected and do well insulation protection.
 - 4.Please kindly confirm the multiple times before connecting to the instrument.

8. Packing List











HTB-J24S04A













HTB-J24S07A

9. Warranty Statement:

One-year warranty with lifetime repairs. For manual damage or unauthorized dismantling, will not provide warranty and return for replacementService, do not enjoy one-year warranty service. For more details, please contact customer service, our company reserves the right to final interpretation.