

Lithium Battery Intelligent Equalizer (Model: JH2420A)



Function Features:

- The latest technology for equalization maintenance applicable to the discharge equalization and charge equalization of lithium battery pack.
- Software algorithm with independent intellectual property rights.
- ARM M3 cores for CPU
- Selective equalization mode according to the actual condition of the battery pack Single-phase (220VAC) AC power supply
- Function of multiple protections
- High precision sampling module
- Color LCD display
- Mainly used for equalization maintenance of lithium battery pack

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Technical Parameters:

- Supporting 2-24 string battery packs
- Supporting ternary, lithium iron and other types of battery Acquisition range of single-string voltage: 0-5V (full scale: 5V)
- Voltage acquisition accuracy: $\pm 2\text{mV}$
- Equalization current: 1-20A MAX.
- The maximum voltage of the external charger: 105V
- the maximum current of the external charger: 15A. AC 220VAC 50HZ power supply.
- 2.2 Environmental conditions of use
- No corrosive, explosive and insulation-destroying gases and conductive dusts, etc.
- Temperature: -10 to 60 degrees.
- Humidity: 0-90%

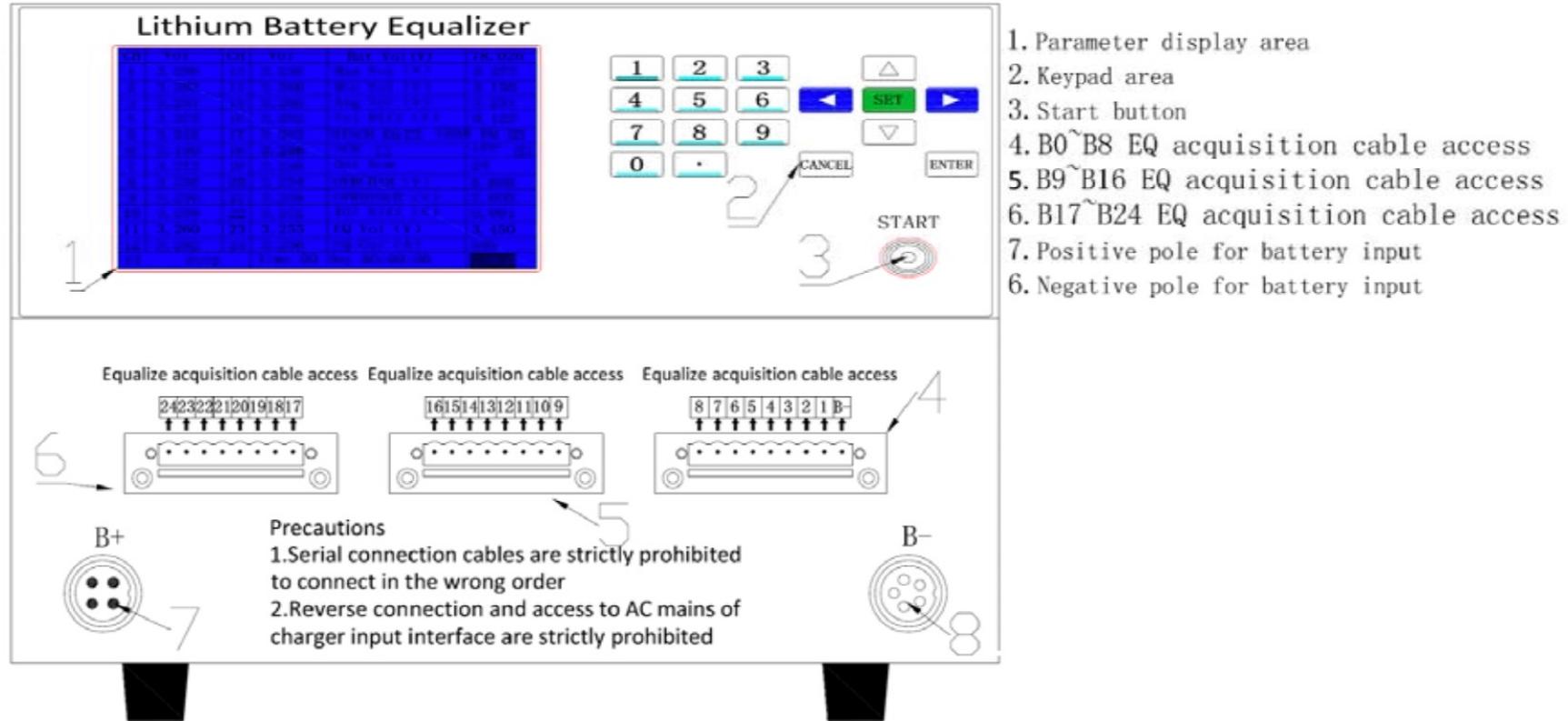


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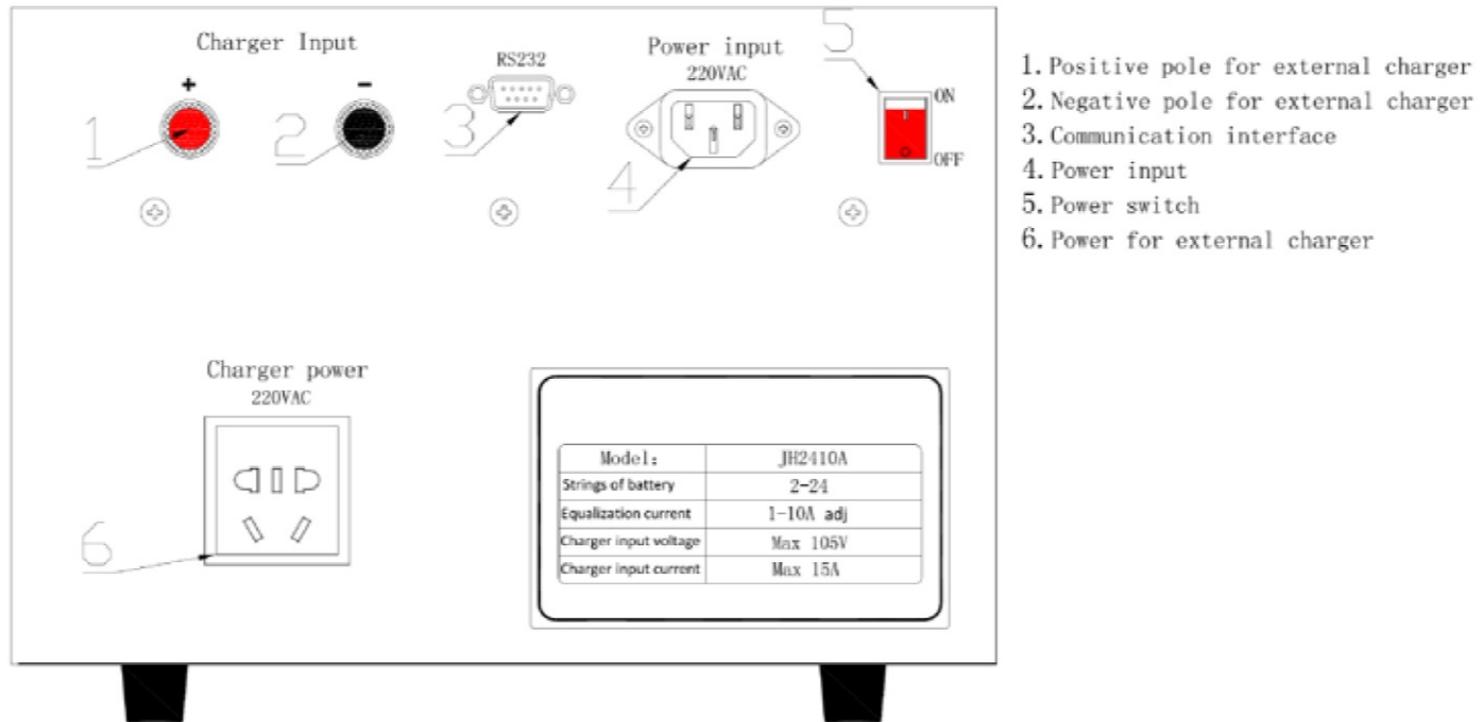
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Front panel's function and interface definition

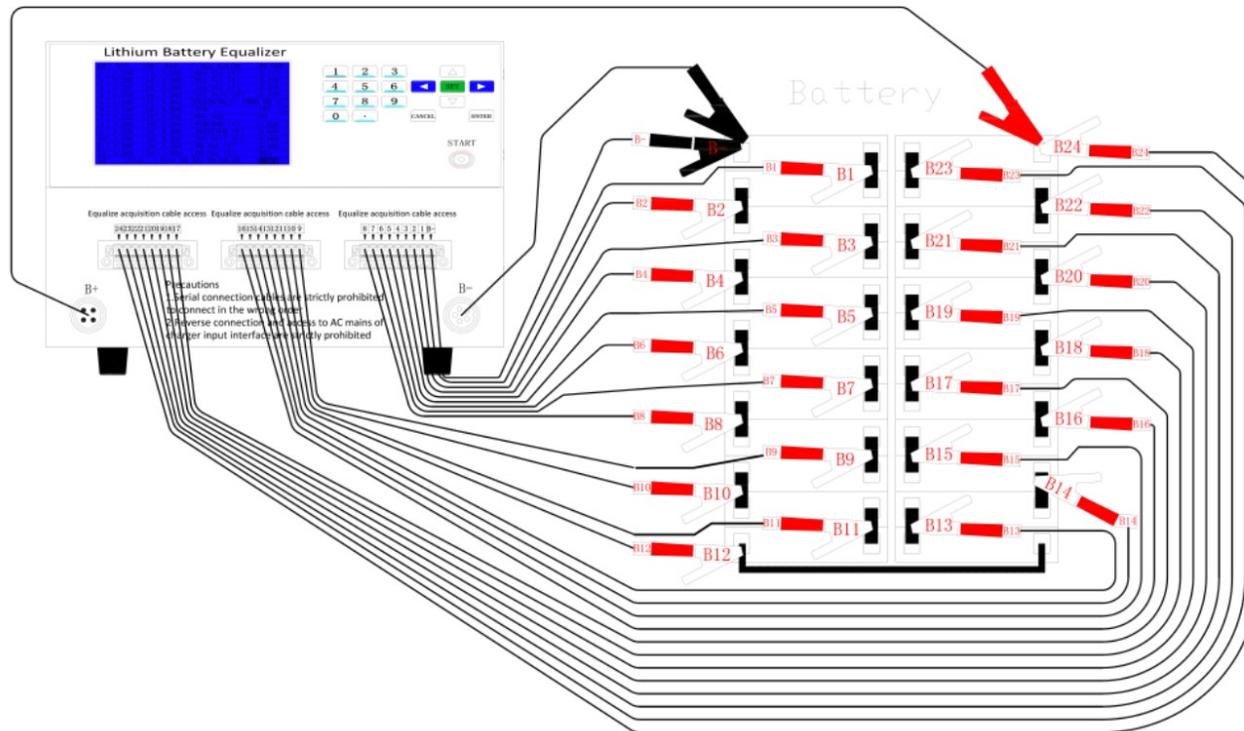


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Rear panel's function and interface definition



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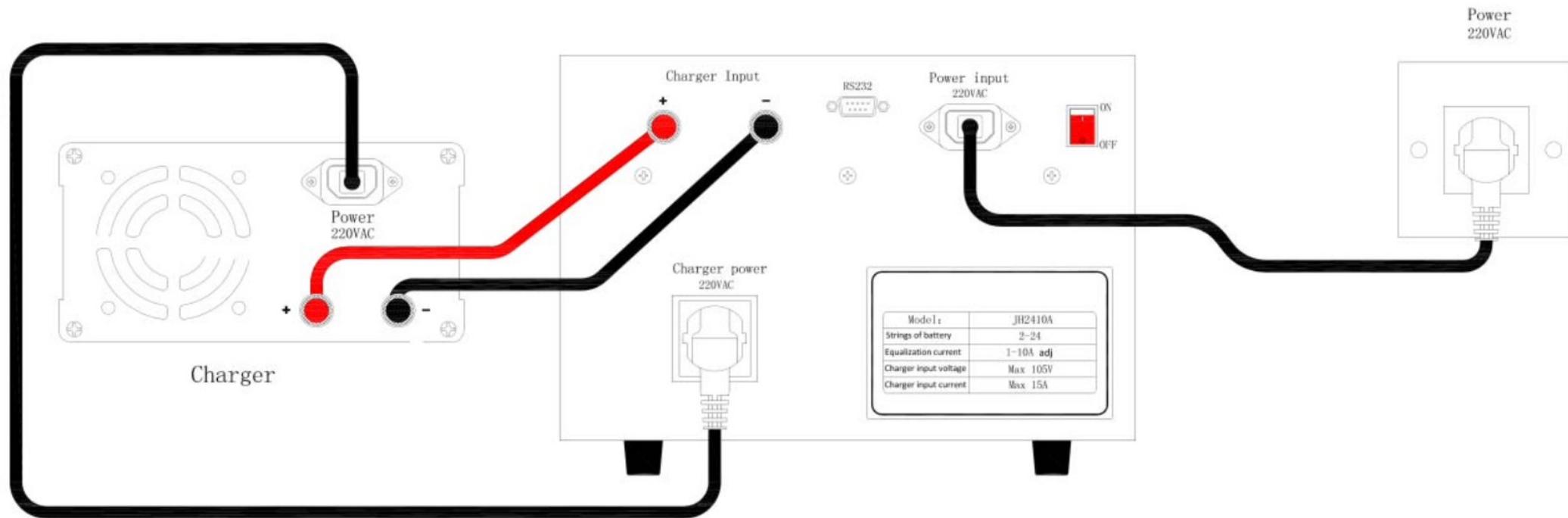


Device's front interface wiring diagram

Take the 24-string battery pack as an example, turn on the device first and then connect "B- to B24" to the B- to B24 acquisition cable interface, connect the total negative clip to the battery pack B- and connect the total positive clip to the highest string positive of the battery pack.

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Device's back interface wiring diagram



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Parameter settings, as follows:

1. Set the battery type according to the actual battery condition and the number of battery strings to be equalized.
2. Equalization mode The charging mode or discharging mode can be checked.
3. Equalization voltage When the single-string voltage reaches the set equalization voltage, turn on the equalization.
4. Equalization current The current percentage can be set, ranging from 10% to 100%.
5. Overcharge voltage The overcharge voltage can be set and the device alarms when a single string is overcharged.
6. Over-discharge voltage. The over-discharge voltage can be set, and the device alarms when a single string is over-discharged.
7. Targeted voltage differential. The targeted voltage differential to be reached can be set

After setting the above parameters, press Start button to begin equalization, and the status bar will show "Equalizing". When the equalization is completed, the status bar will show "Done".

CH	Vol	CH	Vol	Bat Vol (V)	78.026
1	3.256	13	3.256	Max Vol (V)	3.273
2	3.262	14	3.260	Min Vol (V)	3.150
3	3.251	15	3.260	Avg Vol (V)	3.251
4	3.273	16	3.262	Vol Diff (V)	0.123
5	3.242	17	3.263	DISCH EQ <input type="checkbox"/>	CHAR EQ <input checked="" type="checkbox"/>
6	3.150	18	3.256	NCM <input type="checkbox"/>	LFP <input checked="" type="checkbox"/>
7	3.212	19	3.256	Bat Num	24
8	3.256	20	3.254	OVRCHAR (V)	3.600
9	3.256	21	3.258	OVRDISCH (V)	2.600
10	3.258	22	3.252	TGT Diff (V)	0.001
11	3.260	23	3.255	EQ Vol (V)	3.450
12	3.262	24	3.256	EQ Cur (A)	50%
ST	Stop	Time	00 Day	00:00:00	NG 7

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Accessories included and Packaging information:

- 1pcs Lithium Battery Equalizer
- 1pcs AC Power Supply Cable
- 24pcs High current acquisition cable
- 24pcs Adaptor board acquisition cable
- 1pcs Adaptor board
- 1pcs Battery's total positive connection cable
- 1pcs Battery's total negative connection cable

Carton Box packing:

- QTY: 1PCS/CTN
- G.W.: 13.5KG
- N.W.: 12.5KG
- MEAS: 48X40X33.5CM