



WEB1224

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Modularized Wireless Equalizer



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WEB1224 is a split-type balancing maintenance equipment designed based on the characteristics of lithium battery charging and discharging points. It can effectively repair the problem of battery performance degradation caused by excessive cell pressure differences in battery pack modules.



40A charging current, 10A discharging current, fast balancing efficiency



Supports SOH battery health assessment and SOC battery capacity assessment



Separate charging and discharging design, balanced wiring is convenient and orderly



Each set contains 3 discharge units, supports 12 channels of equalization, and supports a maximum of 24 channels (additional purchase required)



Features

1. Separate charging and discharging design, equalization channels can be freely combined, and a maximum of 24 cells can be balanced simultaneously.
2. Wireless networking communication, conveniently expand the number of equalization channels.
3. Supports all common lithium batteries in the market.
4. Supports two modes: charge-discharge balance and discharge balance.
5. Isolated high-precision voltage acquisition module for safe, precise and balanced control.
6. Support SOC/SOH and can evaluate battery health status.
7. Each battery core is wired separately and independently, effectively avoiding the problem of misconnection/misconnection.
8. Own patented clamp design, wiring is more convenient and reliable.

Functions

- 1. Balanced maintenance:** Supports two working modes: discharge balance and charge-discharge balance, which can be used for ternary lithium and iron phosphate Lithium, lithium titanate, lithium manganate and other batteries are maintained.
- 2. Health assessment:** Supports battery health status assessment, and unique software algorithm calculates SOC/SOH values.
- 3. Data analysis:** Automatically save historical equilibrium records and support two display methods: curve chart and column chart.
- 4. Data transfer:** Supports exporting historical data to U disk as Excel file.
- 5. Data visualization:** The balancing process monitors the voltage, current, charging and discharging status, capacity and other information of each single cell in real time.
- 6. Multiple protection:** Supports safety protections such as overvoltage, undervoltage, overcurrent, output short circuit, reverse connection, and overtemperature.

Parameters

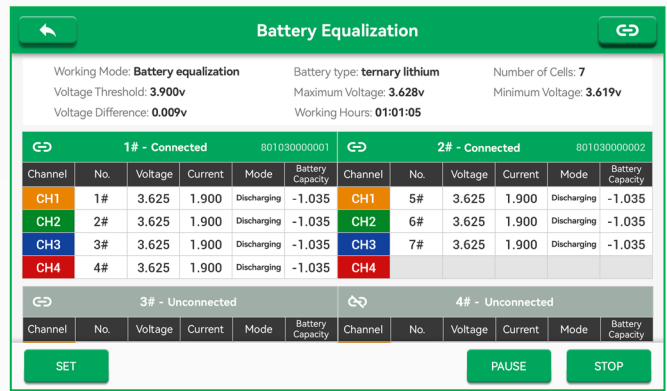
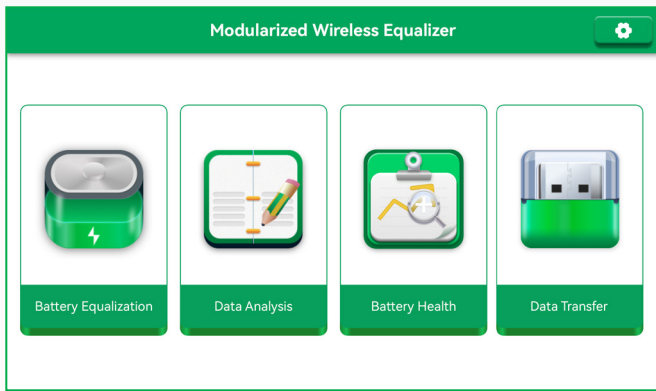
Charge Unit

Power Input	AC90~264V 40~60Hz
Output Voltage Range	DC 0~112V
Output Voltage Accuracy	$\leq \pm 1\%$ @48~112VDC; $\leq \pm 0.5V$ @10~48VDC
Output Current Range	1~40A
Output Current Accuracy	$\leq \pm 1\%$ @output $\geq 4A$
Display	7 inches LCD touch screen, resolution 1024×600
Dimensions	306.5×255×261.5mm

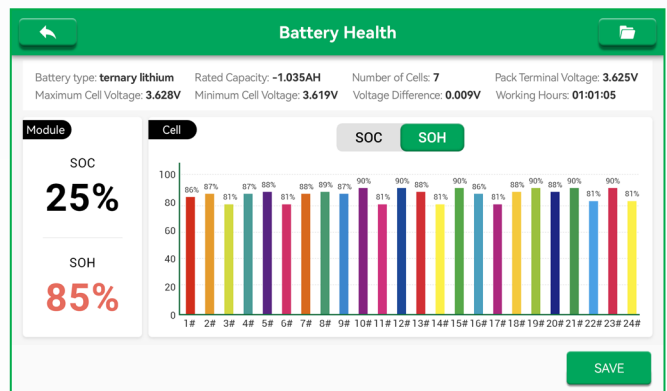
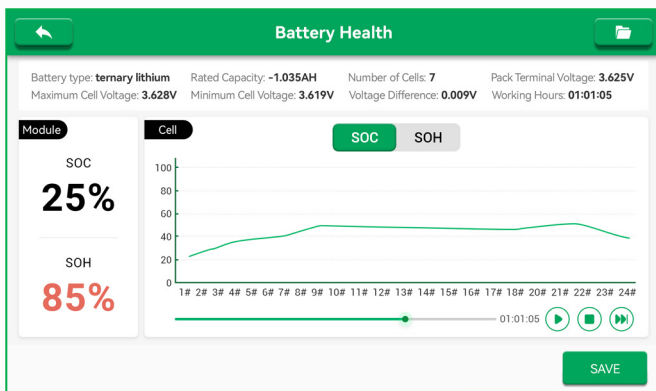
Discharge Unit

Number of Channels	4 channels
Discharge Voltage Range	DC 2.8~4.2V
Discharge Current Range	0~10A
Voltage Measurement Accuracy	$\leq \pm 1\%$ @48~112VDC; $\leq \pm 0.5V$ @10~48VDC
Current measurement Accuracy	$\leq \pm 1\%$ @output $\geq 4A$
Communication Method	Wi-Fi, BT
Dimensions	202.5×89.5×105mm

WEB1224 supports two modes: discharge balancing and charge-discharge balancing for all common types of lithium batteries available in the market. It features intelligent operation, ensuring safety and ease of use.



WEB1224 supports battery health status assessment, featuring a unique software algorithm to calculate SOC/SOH values. It automatically saves historical balancing records and supports two display modes: curve chart and bar chart.



WEB1224's own patented clamp design makes wiring more convenient and reliable; Each battery cell is wired separately and independently, effectively avoiding the problem of misconnection/misconnection.

