

2-100V/1-40A Multi-Function Lithium Battery Pack Capacity Tester(Model: HF10040)



Main Function Features:

1. Test Battery Pack Capacity;
 2. Charge Battery pack;
 3. Discharge Battery pack
 4. Charge-discharge-charge automatic cycle
 5. Test Battery Power Charger current
 6. Test circuit board overcharge and over discharger parameters
 7. Built-in Power Supply 1-90V / 1-15A or 20A
 8. It can store 30 sets of recent test data in the equipment.
 9. Support battery types: Lead-acid battery, Lithium-iron battery, Ternary battery and Li-Polymer battery
- Accurate and constant current discharge from 1A-40A over the whole process (maximum of discharge current differs due to different models, so please refer to the machine nameplate for specific parameters), and input voltage range: 2VDC~100VDC.
 - Applicable battery pack: Single large monomer、12V、24V、36V、48、60V、72V、84V.
 - Manage different battery by category, setting safe discharge voltage manually and automatically to effectively prevent battery over-discharge.
 - Friendly human-machine interface with rich applications for charge and discharge management to flexibly set various charge and discharge parameters.
 - Accurately record final voltage and capacity of charge and discharge to judge the capacity and quality of battery.
 - Management of charge and discharge: manage the charge and discharge of battery via internal or external charger (different model configurations), such as displaying and recording charging current, voltage, time, charging capacity, etc.
 - Display accuracy: +1%, display two decimal places of current and voltage for accurate and intuitive measurement.
 - Reverse connection of battery input protection and over temperature protection.

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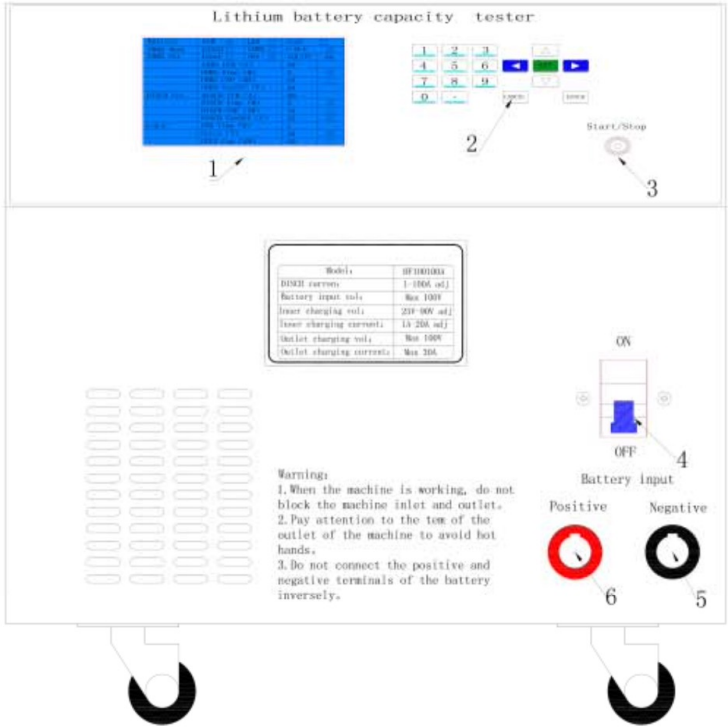
Technical Parameters:

- Input voltage range: 2VDC-100VDC
- Voltage accuracy: $\pm 0.5\%$,two decimal places
- Maximum discharge current: 40A
- Stepping regulation current: 1A
- Charging voltage: 1-90V, step: 0.1V
- If power supply is 220V the charging current: 1-20A, Step: 0.1A
- if power supply is 110V the charging current: 1-15A, Step: 0.1A
- Maximum charging current: internal charger model - 20A, external charger model - 30A
- Current accuracy: +1%, two decimal places
- Charging mode: constant current discharge
- Final voltage of charge: final voltage of charge being set; Automated: Minimum protection voltage of the battery pack-2V or low voltage protection of the battery pack
- Final voltage of discharge: final voltage of discharge being set; Automated: <0.3A,the instrument stops charging
- Capacity testing accuracy: +0.05AH
- Heat dissipation method: double roller high-speed cooling fan
- Equipment power supply: AC220V
- Appearance size: 40A model: L*W*H:603mm*428mm*426mm



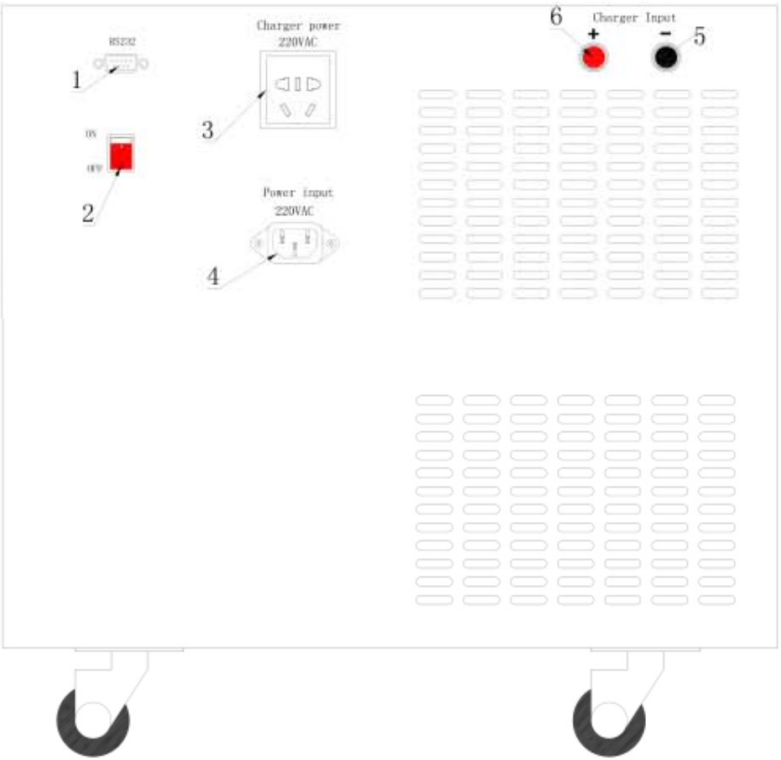
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Front panel structure diagram



1. Parameter display area
2. Keypad area
3. Start/pause button;
4. DC air switch
5. Negative pole for battery input
6. Positive pole for battery input

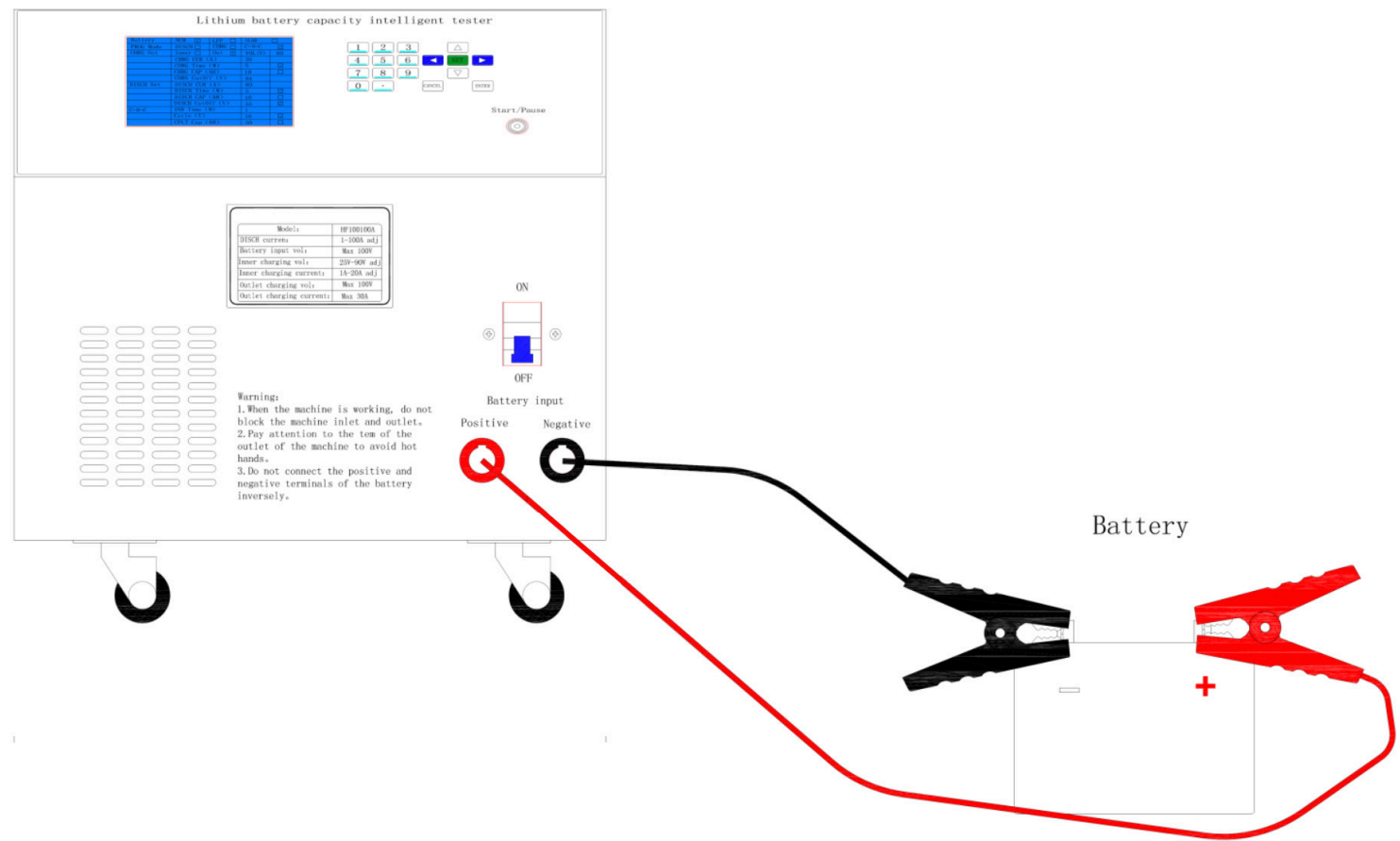
Rear panel structure diagram



1. Communication interface;
2. Power switch
3. Power for external charger;
4. Power input
5. Negative pole for external charger
6. Positive pole for external charger

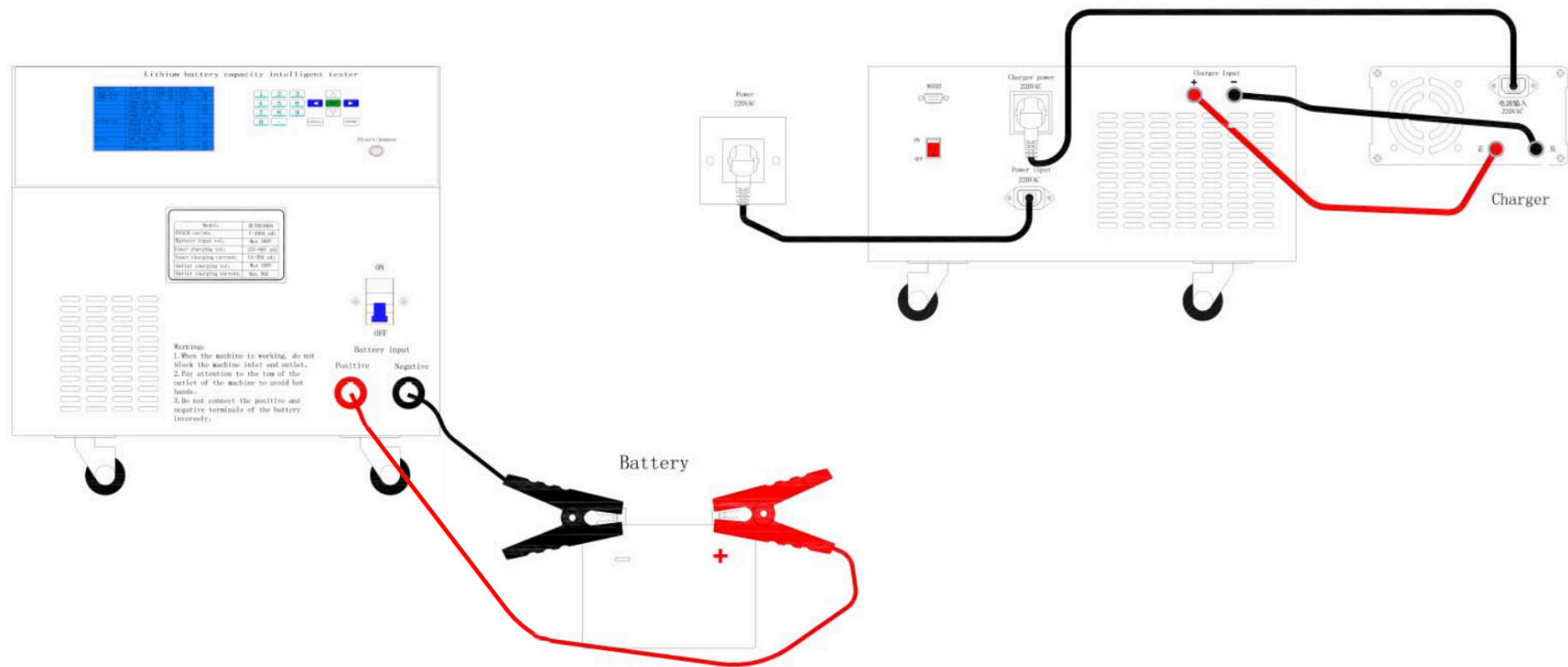
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Discharge mode Operation method



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Built-in and external Charge mode Operation method



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Accessories included and Packaging information:

1pcs Battery Capacity Tester
1pcs Power Supply Cable
2pcs Battery Connect Pliers Cable
1pcs User manual

Carton box Packaging
QTY: 1PCS/CTN
G.W.: 66KG
N.W.: 64KG
MEAS: 70.5X54X49.5CM