

2-100V/1-20A Multi-Function Lithium Battery Pack Capacity Tester(Model: HF10020)

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 discharge 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-20A 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.



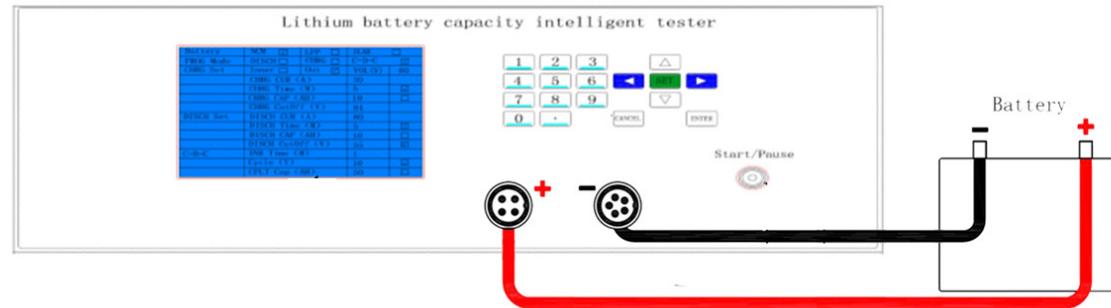
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Technical Parameters:

- Input voltage range: 2VDC-100VDC
- Voltage accuracy: $\pm 0.5\%$,two decimal places
- Maximum discharge current: 20A
- 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: 20A model: L*W*H: 550mm*430mm*181mm



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-Discharge mode

1.1 Discharge current (A): the discharge current can be set, ranging from 1A to 100A.

1.2 Discharge duration (M): the discharge duration (minutes) can be set over which the power would be off checking to take effect.

1.3 Discharge capacity (AH): the discharge capacity can be set, over which the power would be off, checking to take effect.

1.4 Discharge cut-off voltage (V): the discharge cut-off voltage can be set, over which the power would be off, checking to take effect.

Note: If this item is not checked, the machine would automatically identify the cut-off voltage according to the battery type and the actual battery voltage.

-Charge Mode

2.1 Charge current(A): the charge current can be set, ranging from 1A to 20A.

2.2 Charge duration(M): the charge duration (minutes) can be set over which the power would be off checking to take effect.

2.3 Charge capacity (AH): the charge capacity can be set, over which the power would be off, checking to take effect.

2.4 Charge cut-off voltage (V): the charge cut-off voltage can be set, over which the power would be off.

Note: First charge or remove the battery halfway, need to input the charging cut-off voltage again.

-Charge-discharge-charge

3.1 Time interval(M): the time interval(minutes) between discharge and charge can be set. For example, if the set interval is 5 minutes, discharge starts in 5 minutes after charge is completed.

3.2 Cycle times (T): the number of cycles can be set, charge-discharge-charge as a cycle, checking to take effect.

3.3 Completion capacity (AH): the charging capacity of last cycle can be set, over which the power would be off, checking to take effect.

2-100V/1-40A Multi-Function Lithium Battery Pack Capacity Tester(Model: HF10020)



Accessories included and Packaging information:

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

QTY: 1PCS/CTN
G.W.: 25KG
N.W.: 24KG
MEAS: 70.5X54X49.5CM