

# Accessories

Suitable for batteries of different types and sizes, to meet the performance testing and research needs of Battery Manufacturers, Universities, and Research Institutes.

<b>01</b> Four-Wire Coaxial Probe P103-12-TZ-LK-TDU-30A-Z-001 P103-12-TZ-LK-TDU-30A-F-001	<b>02</b> Testing Probe A708-4B-J-20A A708-4T-J-20A	<b>03</b> Crocodile Clamp A707-BU-27C	<b>04</b> Crocodile Clamp A707-A29-200A
<b>05</b> Coin Cell Clamp A705-P5-45B	<b>06</b> PCB Coin Cell Clamp B01-DC-ZJB-mA-1.0	<b>07</b> PCB Temperature Chamber Coin Cell Clamp B01-WX-VIBF-1.4	<b>08</b> Coin Cell Toggle Clamp PPJ-19"-TP-KS-mA-8CH-KS
<b>09</b> Cylindrical Cell Toggle Clamp PCJ-YZJ-Y-3260-100A-WX	<b>10</b> 46 Series Cylindrical Cell Toggle Clamp PTF-Y-ZJ-60A-1CH-L	<b>11</b> Cylindrical Cell Clamp Holder PPJ-19"-JJMB-Y-60A-8CH-6U	<b>12</b> Temperature Chamber Cylindrical Cell Clamp Holder PPJ-19"-HWX-JJMB-XNA
<b>13</b> Blade Battery Clamp PCJ-F2-ZJ-500A-CH-L-1M	<b>14</b> Prismatic Cell Clamp PTF-F-ZJ-120A-1CH-LWX	<b>15</b> Prismatic Cell Toggle Clamp PCJ-YZJ-F-WX	<b>16</b> Prismatic Cell Clamp Holder PPJ-19"-JJMB-F1-300A-2CH-KS
<b>17</b> Polymer Clamp A705-P7-20A	<b>18</b> Three-Electrode Polymer Clamp A705-3P-DG-20-700	<b>19</b> Pouch Cell Toggle Clamp A705-T-P-HWX 200A/500A	<b>20</b> Pouch Cell Clamp Holder PTF-R-TJ-12A-4CH
<b>21</b> Heat Press Sensor Fixture PJ-RY-20A	<b>22</b> Pressure Plate Fixture PCJ-YTH-R-S-STF	<b>23</b> Spring Pressure Plate Fixture PCJ-YTH-R-F-D-190	<b>24</b> Display Pressure Fixture PCJ-YCG-R-F-D-60

\*Customizable based on current, battery size, and other requirements.

# Battery Racks

Used in conjunction with NEWARE testing equipment for batch charging / discharging tests of various types of batteries.

<b>01</b> Pouch Cell Racks PDCJ-R-P1-100A-32CH-D180	<b>01</b> Prismatic Cell Racks PDCJ-F1-ZJ-100A-32CH-S8	<b>01</b> Cylindrical Cell Racks PDCJ-Y1-TJ-50A-32CH-D1
<b>02</b> PDCJ-R1-P1-30A-32CH-D1	<b>02</b> PDCJ-F1-LS-500A-8CH-D1	<b>02</b> PDCJ-Y1-TJ-12A-80CH-D1
<b>03</b> PDCJ-R1-P1-12A-64CH-F150	<b>03</b> PDCJ-F1-ZJ-60A-8CH-S1	<b>01</b> Explosion-Proof Chambers A608-19-LMJ-FBW
<b>04</b> PPJ-19"-TP-R2-6A-8CH-ATL	<b>04</b> PDCJ-F1-ZJ-120A-12CH-D1	<b>02</b> A608-3000W-FBW-A

\*Customizable based on current, battery size, and other requirements.

# NEWARE

Since 1998

## Turnkey Solution for Battery Testing

Constant Temperature Chamber | High Temperature Test Chamber | High and Low Temperature Test Chamber | Explosion-Proof Chamber

Coin Cell All-in-One Testing System | Dual-Temperature Zones All-in-One Testing System | 4 Temperature Zones All-in-One Testing System | Mini All-in-One Testing System | 3C All-in-One Testing System | Power Cell All-in-One Testing System

CT-4000(mA) | CT-8000(mA) | CT/CE-4000(3C) | CT/CE-8000(3C) | CT-4000 | CT-8000 (Customized Products) | CE-6000(Cell) | CE-6000(Module) | CE-6000(Pack) | CT-5000(mA) | CT-5000(3C) | CE-5000(3C) | CE-5000(Cell) | CT-9000

<b>LabTech</b> Tele-Control & Tech-Support Smart-Lab Solutions Platform	<b>Store</b> Tailor-Made & Worry-Free One-Stop Purchasing Platform	<b>Newell</b> Elec-Calibration & Battery-Testing Calibration & Testing Services
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Website: www.neware-usa.com  
Code: U015NEWARE Catalog  
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Integrated Test Solution,  
Improves Manufacturing Process.

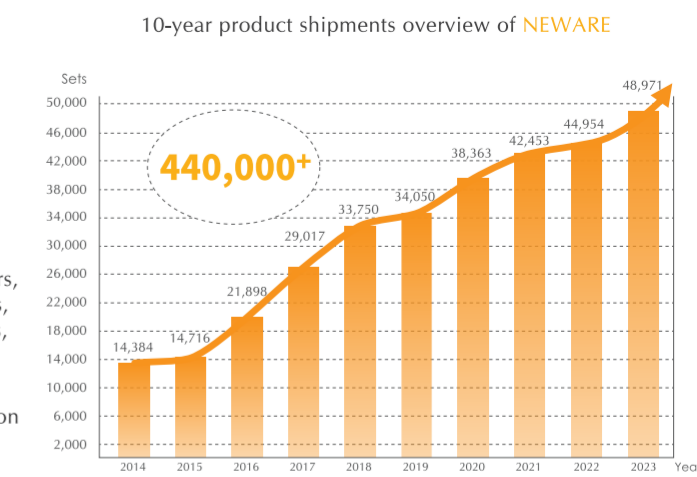
# About NEWARE

**1998** Established in  
**50,000+** Clients

**1,000+** Employees  
**1,000+** Patents & Software Copyrights

Dedicated to providing support for Global Battery Manufacturers, Electric Vehicle Producers, Energy Storage Battery Manufacturers, as well as Enterprises, National Quality Inspection Departments, Universities, and Research Institutions

- Providing high-performance Battery Testing Systems, Formation and Grading Systems, Environmental Test Chambers, and Automation Equipment
- Providing system services (NEWARE LabTech AI + NEWARE Store BI) · LIMS+MES
- Providing global service network, achieving timely response



ISO 9001

## NEWARE LabTech App Smart-Lab Solutions Platform

Remote Intelligent Control | Technical Support  
Asset Management | Academic Live Streaming  
Selected Top Journals | Research Community



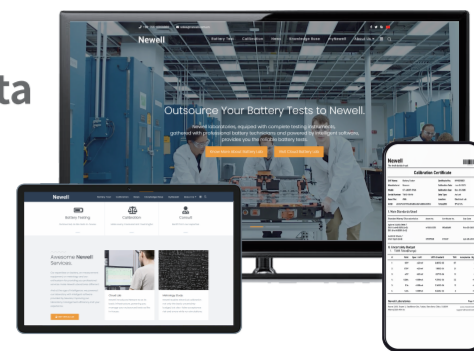
## NEWARE Store App One-Stop Purchasing Platform

Complete Product Categories | One-Click Procurement  
Video Explanation | Tool Guide | Academic Paper Award  
Information Sharing



## Newell Test App Guaranteeing You Accuracy Test Data

Battery Testing Services | Calibration Services

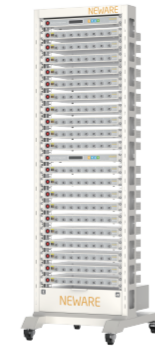


## CT-4000 CT-8000 Battery Testing System (3 Ranges <sup>5V</sup> 10/20/50mA | 4 Ranges <sup>5V</sup> 100mA)

An advanced mA type product, possessing high testing accuracy and favorable recording frequency. Suitable for Coin Cells, Small Capacity Battery, Super Capacitors, Three-Electrode System Testing and Battery Material Research, it can meet the needs of Material Manufacturers, Universities and Research Institutes.

- Voltage & Current Accuracy ±0.01% / 0.02% / 0.05% F.S.
- Recording Frequency 100Hz
- Sampling Time 10ms
- Current Response Time (10% F.S. ~ 90% F.S.) < 1ms
- DCIR Test
- dQ/dV Curve

Voltage & Current Range	Range 1	Range 2	Range 3	Range 4
5V10mA	5μA ~ 1mA	1mA ~ 5mA	5mA ~ 10mA	—
5V20mA	5μA ~ 1mA	1mA ~ 10mA	10mA ~ 20mA	—
5V50mA	5μA ~ 1mA	1mA ~ 25mA	25mA ~ 50mA	—
5V100mA	0.2μA ~ 0.1mA	0.1mA ~ 1mA	1mA ~ 10mA	10mA ~ 100mA



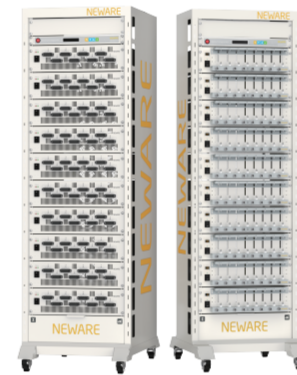
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## CT/CE-4000 CT/CE-8000 Battery Testing System (3C 3/4 Ranges <sup>5V</sup> 1A ~ 30A)

Suitable for Cylindrical and Pouch Cells of 3C Digital Products, it can meet the needs of Battery Manufacturers, 3C Manufacturers, Research Institutes, etc.

- Voltage & Current Accuracy ±0.01% / 0.02% / 0.05% F.S.
- Recording Frequency 10 / 100 Hz
- Sampling Time 100 / 10 ms
- Current Response Time (10% F.S. ~ 90% F.S.) < 1 / 1.5 / 20 ms
- DCIR Test
- Pulses Test

5V	1A	6A	12A	15A	20A	30A



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## CT-4000 CT-8000 Battery Testing System (Customized Products <sup>5V ~ 30V</sup> 30A ~ 1000A)

Suitable for Electric Vehicles Cells, Energy Storage Cells, Supercapacitors, it can meet the performance testing and working condition simulation needs of Battery Manufacturers, Electric Vehicles Manufacturers and Energy Storage Manufacturers.

- Voltage & Current Accuracy 0.05% F.S.
- Sampling Time 10 / 100ms
- Current Response Time (10% F.S. ~ 90% F.S.) < 20ms
- Minimum Pulse Width 100 / 500ms
- Cycle Life Test
- Rate Charging / Discharging Test
- HPPC Test
- Working Condition Simulation 1,000,000 Rows



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\*CT/CE: Battery charging-discharging test system. "E" indicates that this equipment is equipped with energy feedback function. \*Other models can be customized according to voltage and current requirements.

## CE-6000 Cell Testing System (<sup>5V/6V</sup> 50A ~ 2000A)

Designed for the testing of power and energy storage cells, it is widely used in various Battery Manufacturers, Electric Vehicles Manufacturers and Energy Storage Manufacturers. It can effectively evaluate the performance of the cell and ensure its stable operation in applications such as Electric Vehicles and Energy Storage Systems.

- Voltage & Current Accuracy ±0.05% F.S.
- Recording Frequency 100Hz
- Current Response Time (10% F.S. ~ 90% F.S.) < 3ms
- Current Conversion Time (90% F.S. ~ 90% F.S.) < 6ms
- Simulation Test
- Feedback Efficiency 75% (More than 80% output power)

5V / 6V	75A	150A	300A	600A	1200A	2000A



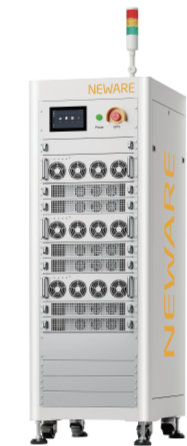
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## CE-6000 Module Testing System (<sup>20V ~ 200V</sup> 20A ~ 1200A)

Suitable for use in Electric Vehicles, Communication Base Stations, Energy Storage and other fields, it provides comprehensive battery module testing services for Battery Manufacturers, small Electric Vehicles Manufacturers, and Energy Storage Manufacturers.

- Voltage Accuracy ±0.02% F.S.
- Current Accuracy ±0.05% F.S.
- Recording Frequency 100Hz
- Current Response Time (10% F.S. ~ 90% F.S.) < 3ms
- Current Conversion Time (90% F.S. ~ 90% F.S.) < 6ms
- Simulation Test
- Feedback Efficiency 90% (Max)

20V ≤ V ≤ 60V	60A	120A	240A	480A	960A	1200A	—
60V < V ≤ 120V	50A	100A	200A	400A	600A	800A	1000A
120V ≤ V ≤ 200V	50A	100A	200A	300A	400A	500A	—



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## CE-6000 Pack Testing System (<sup>200V ~ 1000V</sup> 100A ~ 1200A)

High-quality testing equipment specifically designed for Electric Vehicles, Communication Base Stations, Aerospace, and other fields, it can meet the testing needs of different manufacturers for battery packs, ensuring their reliability and stability in various application scenarios.

- Voltage Accuracy ±0.02% F.S.
- Current Accuracy ±0.05% F.S.
- Recording Frequency 100Hz
- Current Response Time (10% F.S. ~ 90% F.S.) < 5ms
- Current Conversion Time (90% F.S. ~ 90% F.S.) < 10ms
- Simulation Test
- Feedback Efficiency 94% (Max)

100kW	500V	200A
150kW	750V	200A
300kW	1000V	300A



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\*CT/CE: Battery charging-discharging test system. "E" indicates that this equipment is equipped with energy feedback function. \*Other models can be customized according to voltage and current requirements.

## CT/CE-5000 mA/3C Battery Testing System (<sup>5V ~ 30V</sup> 200mA ~ 30A)

Suitable for 3C Products Such as Laptops, Tablets, and Power Tool Batteries, it can meet the needs of Battery Manufacturers, 3C Manufacturers, etc.

- Voltage Accuracy ±0.02% F.S.
- Current Accuracy ±0.02% / 0.03% F.S.
- Recording Frequency 100Hz
- Current Response Time (10% F.S. ~ 90% F.S.) < 2 / 20 / 30ms
- SMB Communication
- Off-Line Test 1GB

CT-5000	5V	200mA	6A	12A
CE-5000	10V	20A	30A	—
	20V	10A	20A	30A
	30V	5A	10A	20A



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## CE-5000 Ultra-Precision Power Cell Battery Testing System (<sup>5V</sup> 75A ~ 10kA)

Suitable for high-performance testing of power cells, it is widely used in various Battery Manufacturers and Energy Storage Companies.

- Voltage Accuracy ±0.02% F.S.
- Current Accuracy ±0.05% F.S.
- Recording Frequency 100Hz
- Current Response Time (10% F.S. ~ 90% F.S.) < 1ms
- Off-Line Test 1GB
- Feedback Efficiency

5V	75A	150A	300A	600A	1200A	10kA



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## CT-9000 Ultra-Precision Battery Testing System (<sup>5V</sup> 6A / 12A / 15A)

Suitable for the test and research of Coin Cells, 3C Digital Batteries and Battery Materials, it can meet the high-precision testing needs of Battery Manufacturers, Material Manufacturers, Universities and Research Institutes.

- Voltage & Current Accuracy ±0.02% F.S.
- Recording Frequency 1000 Hz
- Current Response Time (10% F.S. ~ 90% F.S.) < 100 μs
- Minimum Pulse Width 400 μs
- SMB Communication
- DCIR Test

Voltage & Current Range	Range 1	Range 2	Range 3	Range 4
5V6A	0.1μA ~ 180μA	180μA ~ 6mA	6mA ~ 180mA	180mA ~ 6A
5V12A	0.12mA ~ 12mA	12mA ~ 120mA	120mA ~ 1200mA	1200mA ~ 12A
5V15A	0.15mA ~ 15mA	15mA ~ 150mA	150mA ~ 1500mA	1500mA ~ 15A



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\*CT/CE: Battery charging-discharging test system. "E" indicates that this equipment is equipped with energy feedback function. \*Other models can be customized according to voltage and current requirements.

## WHW Coin Cell All-in-One Testing System (3 Ranges <sup>5V</sup> 10/20/50mA | 4 Ranges <sup>5V</sup> 100mA)

Integration of charge-discharge testing and constant temperature experiments, enabling efficient and precise testing and research on battery temperature performance to meet the diverse testing needs of Material Manufacturers, Universities, and Research Institutes.

- Voltage & Current Accuracy ±0.01 / 0.05% F.S.
- Sampling Time 10 / 100ms
- Current Response Time (10% F.S. ~ 90% F.S.) < 1ms
- Number of Channels (Coin Cells) 16 ~ 160CH
- Temperature Range & Deviation 15°C ~ 60°C ± 2°C, 0°C ~ 60°C ± 2°C, 25°C ~ 0°C (No Load & Stable Temperature)
- Temperature Fluctuation ±0.5°C (No Load & Stable Temperature)
- Heating Time 25°C ~ 60°C (< 30min)
- Cooling Time 25°C ~ 15°C (< 60min), 25°C ~ 0°C (< 50min)



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## WHW 3C All-in-One Testing System (<sup>5V</sup> 6A / 12A / 30A)

The system combines charge-discharge testing and constant temperature experiments, making it suitable for conducting charge-discharge testing and temperature performance testing on batteries such as Pouch Cells.

- Voltage & Current Accuracy ±0.05% F.S.
- Recording Frequency 10 Hz
- Sampling Time 100 ms
- Number of Channels (Pouch Cells) 80 CH
- Temperature Range & Deviation 0°C ~ 85°C ± 2.0°C (No Load & Stable Temperature)
- Temperature Fluctuation ±0.5°C (No Load & Stable Temperature)
- Heating Time 25°C ~ 85°C (< 40 min)
- Cooling Time 25°C ~ 0°C (< 40 min), 25°C ~ 15°C (< 60min)

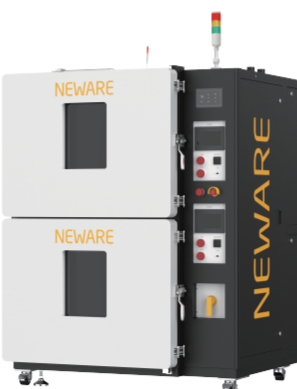


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## WGDW Power Cell All-in-One Testing System (<sup>5V</sup> 75A ~ 600A)

Combining the functions of charge-discharge testing with high and low temperature testing, it is suitable for applications in areas such as Power Cells and Energy Storage Cells.

- Voltage & Current Accuracy ±0.05% F.S.
- Recording Frequency 100 Hz
- Current Response Time < 3ms
- Number of Channels 8 CH
- Temperature Range & Deviation -40°C ~ 150°C ± 2.0°C (No Load & Stable Temperature)
- Temperature Fluctuation ±0.5°C (No Load & Stable Temperature)
- Heating Time 20°C ~ 150°C (< 60min)
- Cooling Time 20°C ~ -40°C (< 60min)



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\*Other models can be customized according to voltage and current requirements.

## WHW Constant Temperature Test Chamber Series

Suitable for the temperature performance test of various batteries such as Coin, Pouch, Cylindrical and Prismatic Cells, for all Enterprises and Institutions that need to conduct the temperature test of batteries.

- Forced-Circulation-Air Cooling
- Fuzzy PID Algorithm
- Number of Channels (Coin Cells) 16 CH / 160 CH
- Environment Temperature 5°C ~ 35°C
- Temperature Range & Deviation 15°C ~ 60°C ± 2°C, 0°C ~ 60°C ± 2°C, 25°C ~ 0°C (No Load & Stable Temperature)
- Temperature Fluctuation ±0.5°C (No Load & Stable Temperature)
- Heating Time 25°C ~ 60°C (< 30min) (No Load & Stable Temperature)
- Cooling Time 25°C ~ 15°C (< 60min), 25°C ~ 0°C (< 50min) (No Load & Stable Temperature)



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## WGDW High and Low Temperature Test Chamber Series

Creating high and low temperature testing environments for temperature performance testing of various types of batteries, including Coin, Pouch, Cylindrical and Prismatic Cells, to meet the testing and research needs of Enterprises and Institutions on the temperature reliability of batteries.

- Environment Temperature 5°C ~ 35°C
- Temperature Range -20/-40/-70°C ~ 150°C
- Temperature Deviation ±2.0°C (No Load & Stable Temperature)
- Temperature Fluctuation ±0.5°C (No Load & Stable Temperature)
- Heating Time -20°C ~ 150°C (< 60min), -40°C ~ 150°C (< 60min), -70°C ~ 150°C (< 75min)
- Cooling Time 20°C ~ -20°C (< 45min), 20°C ~ -40°C (< 60min), 20°C ~ -70°C (< 75min)



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## WFB Explosion-Proof Test Chamber Series

Suitable for safety performance test of various batteries, such as Coin, Pouch, Cylindrical and Prismatic Cells, it can meet the detection and research of battery reliability needs of Enterprises and Institutions.

- Environment Temperature 5°C ~ 35°C
- Relative Humidity < 85%RH
- Atmospheric Pressure 86kPa ~ 106kPa
- Multiple Storage Compartments
- Smoke Alarm
- Safe Testing



Works with NEWARE LabTech

\*Other models can be customized according to voltage and current requirements.