

Electrochemical Property Analyzer

ECT6008 Series

High-Precision Battery Tester





ECT6008

High-Precision Battery Tester

Product Highlight

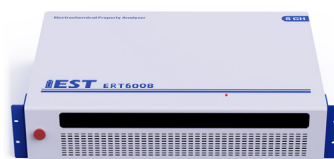
- Supports a wide range of cell types, capacitor materials, half-cell, three-electrode, coin cell, and small-capacity testing.
- Provides accurate benchmark data for lifespan prediction, inventory efficiency, self-discharge, and micro-reaction testing, with voltage and current precision of 0.01%.
- Triple protection (software, hardware, firmware) ensures safe operation for both equipment and samples.
- Supports electrochemical tests (GITT, PITT, CA, CP) with microampere-level current control.
- Flexible auxiliary channel integration for temperature control, surface temperature monitoring, three-electrode setups, and pressure detection.
- Online calibration and independent operation of channels without interference.
- Private cloud platform and cloud server backup ensure data security and confidentiality.



Product	ECT6008 (High-Precision series)		
Photo			
Module	ECT6008-5V100mA	ECT6008-5V6A	ECT6008-5V12A
Voltage	5V		
Current Range	10nA~0.1mA;0.1mA~1mA;1mA~10mA;10mA~100mA	0.6μA~6mA;6mA~60mA;60mA~600mA;600mA~6A	1.2μA~12mA;12mA~120mA;120mA~1.2A;1.2A~12A
Temp. chamber	-20~80 C		
Channel	8		
Output	Four-Electrode Aviation Connector (Supports three-electrode testing with auxiliary voltage integration)		
V&I Accuracy	±0.01% F.S.		
Constant Power/Resistance Accuracy	±0.02% F.S.		
Resolution	16bit		
Input power	30W	500W/1000W	
Operating Modes	<p>Charge-Discharge Modes:</p> <ul style="list-style-type: none"> Constant Current Charge/Discharge (CC) Constant Voltage Charge/Discharge (CV) Constant Current-Constant Voltage Charge/Discharge (CC-CV) Constant Power Charge/Discharge (CP) Constant Resistance Charge/Discharge (CR) DCIR (Direct Current Internal Resistance) Rate Charge/Discharge <p>Electrochemical Modes:</p> <ul style="list-style-type: none"> GITT (Galvanostatic Intermittent Titration Technique) PITT (Potentiostatic Intermittent Titration Technique) CA (Chronoamperometry) CP (Chronopotentiometry) 		

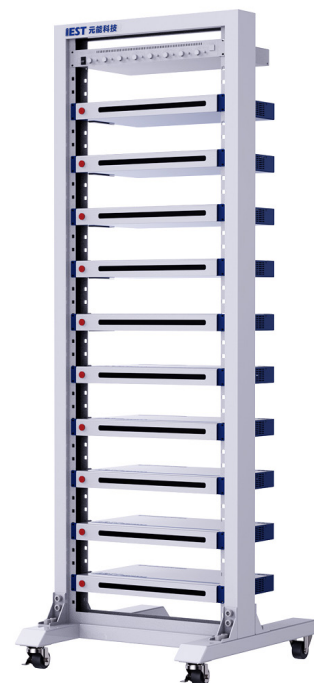
ERT6008 Series

Cyclic Voltammetry Analyzer




ERT6008


Cyclic Voltammetry Analyzer



Product Highlight

- Supports a wide range of cell types, capacitor materials, half-cell, three-electrode, coin cell, and small-capacity testing.
- Provides accurate benchmark data for lifespan prediction, inventory efficiency, self-discharge, and micro-reaction testing, with voltage and current precision of 0.01%.
- Triple protection (software, hardware, firmware) ensures safe operation for both equipment and samples.
- Supports electrochemical testing methods such as multi-scan rate cyclic voltammetry, linear sweep voltammetry, GITT, PITT, CA, and CP.
- Flexible auxiliary channel integration for temperature control, surface temperature monitoring, three-electrode setups, and pressure detection.
- Online calibration and independent operation of channels without interference.
- Private cloud platform and cloud server backup ensure data security and confidentiality.

Product	ERT6008 (Cyclic Voltammetry Analyzer)
Photo	
Type	ERT6008-5V100mA
Voltage	5V
Current	100nA~0.1mA;0.1mA~1mA;1mA~10mA;10mA~100mA
★ Electrochemical features ★	Cyclic Voltammetry (CV), Linear Sweep Voltammetry (LSV), GITT/PITT/CA/CP Testing
Temp. Chamber	-20~80 °C
Channel	8
Output	Four-Electrode Aviation Connector (Supports three-electrode testing with auxiliary voltage integration)
V&I Accuracy	± 0.01% F.S.
CP&CR Accuracy	± 0.02% F.S.
Resolution	16bit
Input Power	30W
Operating Modes	Charge-Discharge Modes: Constant Current Charge/Discharge (CC) Constant Voltage Charge/Discharge (CV) Constant Current-Constant Voltage Charge/Discharge (CC-CV) Constant Power Charge/Discharge (CP) Constant Resistance Charge/Discharge (CR) DCIR (Direct Current Internal Resistance) Rate Charge/Discharge Electrochemical Modes: Cyclic Voltammetry (CV), Linear Sweep Voltammetry (LSV) GITT (Galvanostatic Intermittent Titration Technique) PITT (Potentiostatic Intermittent Titration Technique) CA (Chronoamperometry) CP (Chronopotentiometry)

Product	ERT6008 (Cyclic Voltammetry Analyzer)	
Photo		
Type	ERT6008-5V6A	ERT6008-5V12A
Voltage	5V	
Current	0.6μA~6mA;6mA~60mA;60mA~600mA;600mA~6A	1.2μA~12mA;12mA~120mA;120mA~1.2A;1.2A~12A
★Electrochemical features★	Cyclic Voltammetry (CV), Linear Sweep Voltammetry (LSV), GITT/PITT/CA/CP Testing	
Temp. Chamber	-20~80°C	
Channel	8	
Output	Four-Electrode Aviation Connector (Supports three-electrode testing with auxiliary voltage integration)	
V&I Accuracy	±0.01% F.S.	
CP&CR Accuracy	±0.02% F.S.	
Resolution	16bit	
Input Power	500W/1000W	
Operating Modes	<p>Charge-Discharge Modes: Constant Current Charge/Discharge (CC) Constant Voltage Charge/Discharge (CV) Constant Current-Constant Voltage Charge/Discharge (CC-CV) Constant Power Charge/Discharge (CP) Constant Resistance Charge/Discharge (CR) DCIR (Direct Current Internal Resistance) Rate Charge/Discharge</p> <p>Electrochemical Modes: Cyclic Voltammetry (CV), Linear Sweep Voltammetry (LSV) GITT (Galvanostatic Intermittent Titration Technique) PITT (Potentiostatic Intermittent Titration Technique) CA (Chronoamperometry) CP (Chronopotentiometry)</p>	

ERT7008 Series

Electrochemical Impedance Analyzer



ERT7008



Electrochemical Impedance Analyzer

Product Highlight

- Supports a wide range of cell types, capacitor materials, half-cell, three-electrode, coin cell, and small-capacity testing.
- Provides accurate benchmark data for lifespan prediction, inventory efficiency, self-discharge, and micro-reaction testing, with voltage and current precision of 0.01%.
- Triple protection (software, hardware, firmware) ensures safe operation for both equipment and samples.
- Supports EIS testing from 0.01 Hz to 100 kHz.
- Supports electrochemical testing methods such as multi-scan rate cyclic voltammetry, linear sweep voltammetry, GITT, PITT, CA, and CP.
- Flexible auxiliary channel integration for temperature control, surface temperature monitoring, three-electrode setups, and pressure detection.
- Online calibration and independent operation of channels without interference.

Private cloud platform and cloud server backup ensure data security and confidentiality.



Product	ERT7008 (Electrochemical Impedance Analyzer)		
Photo			
Type	ERT7008-5V100mA	ERT7008-5V6A	ERT7008-5V12A
Voltage	5V		
Current	10nA~1mA;1mA~10mA;10mA~100mA	0.6μA~6mA;6mA~60mA;60mA~600mA;600mA~6A	1.2μA~12mA;12mA~120mA;120mA~1.2A;1.2A~12A
★EIS testing★	EIS (Electrochemical Impedance Spectroscopy) testing : 0.01Hz~100kHz		
★Electrochemical features★	Cyclic Voltammetry (CV), Linear Sweep Voltammetry (LSV), GITT/PITT/CA/CP Testing		
Temp. Chamber	-20~80 °C		
Channel	8		
Output	Four-Electrode Aviation Connector (Supports three-electrode testing with auxiliary voltage integration)		
V&I Accuracy	± 0.01% F.S.		
CP&CR Accuracy	± 0.02% F.S.		
Resolution	16bit		
Input Power	30W	500W/1000W	
Operating Modes	<p>Charge-Discharge Modes:</p> <ul style="list-style-type: none"> Constant Current Charge/Discharge (CC) Constant Voltage Charge/Discharge (CV) Constant Current-Constant Voltage Charge/Discharge (CC-CV) Constant Power Charge/Discharge (CP) Constant Resistance Charge/Discharge (CR) DCIR (Direct Current Internal Resistance) Rate Charge/Discharge <p>Electrochemical Modes:</p> <ul style="list-style-type: none"> EIS (Electrochemical Impedance Spectroscopy) testing Cyclic Voltammetry (CV), Linear Sweep Voltammetry (LSV) GITT (Galvanostatic Intermittent Titration Technique) PITT (Potentiostatic Intermittent Titration Technique) CA (Chronoamperometry) CP (Chronopotentiometry) 		

INNOVATIVE BATTERY TESTING SOLUTION PROVIDER

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(**IEST 3** Major Business)

- ◆ Battery R&D Solutions
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