

RACTS-20V
ACTS-5V/20V

RePower 瑞能

Digital Battery Test System

Application

Mainly applied to cycle life aging tests and quality control of 3C smart batteries for mobile phones, digital cameras, laptops and other consumer electronics. It integrates charge and discharge data detection, realizing real-time high-precision sampling, storage, analysis and early warning of various battery parameters, and provides reliable data support for battery R&D and mass production.



ACTS-5V/20V

RACTS-20V

Test Functionality



Cycle Life Test



Voltage Test



Charge Retention
Capacity



Dynamic & Static
SOC Test



Charge and
Discharge Test



Temperature
Characteristic Test



Overcharge /
Overdischarge Test



DCIR Test

Advantages and Features

Multi-range auto-switching, accuracy 0.02% F.S

Optional current ranges: 10mA~1A / 1A~5A / 5A~10A / 10A~20A, for different current test needs. Seamless fast auto-range switching during testing.

Supports multi-channel parallel connection

Software-set independent/parallel channels, forming various current range test systems; cross-cabinet parallel connection to expand range.

High Precision

Stable high-precision current/voltage sampling; high-precision, wide dynamic range ADC for excellent long-term stability.

Pulse Working Condition

Pulse operation supported. Compatible with current & power profiles, with 50ms minimum interval. One-click profile import simulates real battery operating conditions.

CCCV Charging

Seamless CCCV charging transition eliminates current and voltage shock, preventing tab shedding and BMS-induced voltage overshoot.

Multiple Models Available

RACTS-20V provides regular, tray and drawer types for flexible selection.

Specifications

	Model	RACTS-20V	ACTS-5V/20V
Voltage	Range	2V~20V	1V~5V / 2V~20V
	Accuracy	± 0.02% F.S	
	Resolution	0.1mV	
Current	Range	4 levels : 10mA-1A / 1A-5A / 5A-10A / 10A-20A	5A/6A/10A/20A/30A
	Accuracy	± 0.02% F.S	
	Resolution	0.1mA	
Current Response Time (10%~90% F.S)		5ms	10ms
Current Switching Time (-90%~90% F.S)		10ms	20ms
Communication		LAN	
Auxiliary Module Linkage		Connectable with temperature chamber, MTV/MTS and I/O controller	
Dimension (W*D*H, mm)		770*722*1800	

注：具体型号和参数请以对应的技术规格书为准。

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