



RNC48100

Intelligent Battery Charger



- For 48V/36V/24V DC battery groups discharge test
- 0-100Amp charge current adjustable (1Amp steps)
- 3.5 inch LCD screen display
- Auto detection for input battery voltage
- Typical 3 steps charging: CC-CV-FC
- Support manual multiple steps setting
- Multiple protection alarm: Overvoltage, Overload, Overheat

OVERVIEW

RNC48100 chargers use the latest power electronics technology and intelligent micro-processing technology, combined with computer data processing software to intelligently control the battery charging process. Easy to operate, effectively reduce the work intensity of maintenance personnel, improve maintenance test efficiency, reduce the enterprise cost, and provide a comprehensive scientific detection means for the battery group.

FEATURES

Adjustable Max Charge Current

RNC48100 can offer 0-100A (steps: 1A) adjustable current for different test requests.

RNC48100

Battery Nominal Voltage	Max Discharge Current
48 V	100 A
36 V	100 A
24 V	100 A

Flexible Setting to Customize Charging

RNC48100 open multiple setting to make charging more flexible:

Setting	Range
Max Charge Amp	0 – 100 A
Charge End Volt	20 – 58 V
Charge End Amp	0 – 100 A
Charge Steps	1 – 6 Steps

Multiple Protections & Alarms

RNC48100 provides ample protective measures for various abnormal situations during discharge: Automatic termination, LCD prompt and beep warning would assist users to make proper treatments.

Malfunctions	LCD prompt	beep warning
Input over-voltage	✓	✓
Reverse polarity	✓	✓
Overload	✓	✓
Overheat	✓	✓

Multiple Unit Coworking & Calibration

RNC48100 can be operated independently in a single machine, or multiple units in parallel to measure a larger capacity battery. With voltage and current calibration interface, calibration and correction of measured values can ensure measurement accuracy.

SPECIFICATIONS

BASIC PERFORMANCE

Operating Voltage	AC 164-250V, Frequency Range: 40-60Hz
Input Mode	6 buttons input
Display Screen	Monochrome LCD screen 128*64, screen size: 3.5 inches;
Charging Current Accuracy	$\pm 0.5\%FS \pm 0.2A$, Maximum range 100A
Charging Voltage Accuracy	$\pm 0.5\%FS$, Maximum range 60V
Charging Voltage Range	20-58V
Charge Current Range	0.5A-100A
Charging Efficiency	92% @ 220Vac full load
Starting Time	5-10s
Charging Mode	Three-stage charging (constant current, constant voltage current limiting, floating charge)
Protection	overheat protection, output short circuit protection, output reverse connection protection, output overvoltage protection
Output Overvoltage Protection	58.5-60.5

SAFETY TEST

High-Voltage Insulation Test	Input - Housing: 2200Vdc 1min AC input - housing Input - Output: 2200Vdc 1min AC input - DC input Output - Housing: 700Vdc 1min DC input - housing
Safety Standards	EN60950

DIMENSIONS & WEIGHT

Dimensions	340*380*260
Weight	13KG

WORK ENVIRONMENT

Cooling	force-air cooling
Temperature	Operating temperature range: -5~50°C; storage temperature: -40~70°C
Humidity	Relative humidity 0~90% (40±2°C)
Altitude	Rated altitude of 4000m