

WE SERIES

Regenerative DC Electronic Load

WE series electronic load is a high-reliability, high-density, high-performance DC electronic load. The high-power model features high power density and small footprint. It boasts an ultra-wide loading range, excellent overload capability, ultra-fast dynamic response frequency, and comprehensive test functions, greatly expanding its application scope and operational reliability.

This series is also equipped with multiple communication interfaces including LAN/RS232/RS485/CAN/GPIB/USB, and supports SCPI, Modbus and CAN Open communication protocols, fully meeting users' remote control requirements.



⚡ Features

- › Voltage ratings cover three levels: 150V, 600V and 1200V
- › Power density up to 8kW/3U
- › Current range: 100A/kW (150V), 70A/kW (600V), 40A/kW (1200V)
- › Voltage accuracy: (0.025% + 0.025% F.S.)
- › Current accuracy: (0.05% + 0.05% F.S.)
- › Adopts 1MHz high-speed and high-precision sampling and control technology
- › 50kHz dynamic current and 30kHz dynamic scanning function
- › Sampling voltage and current transmission rate (upper computer acquisition rate) up to 1000Hz
- › Supports master-slave parallel connection, maximum parallel power: 720kW
- › Load modes: CC, CV, CR, CP, CV+CC, CR+CC, CP+CC
- › Functions include OCP, OPP, LED simulation, short-circuit simulation, short-time power multiplication, load effect, battery internal resistance and battery discharge test
- › Supports time and peak-to-peak voltage measurement
- › Comprehensive protection: OPP, OCP, OVP, OTP, RV and others
- › External analog programming input and current monitoring output with high-voltage isolation capability
- › Color LCD display with Chinese and English menu
- › Standard interfaces: LAN, RS232, RS485; Optional: GPIB, CAN, USB serial port
- › Compatible with SCPI, Modbus, CANopen communication protocols

⚡ Specification and Models

Model	150V	600V	1200V
WE14	WE14-150-400	WE14-600-280	WE14-1200-160
WE15	WE15-150-500	WE15-600-350	WE15-1200-200
WE16	WE16-150-600	WE16-600-420	WE16-1200-240
WE18	WE18-150-800	WE18-600-560	WE18-1200-320
WE110	WE110-150-1000	WE110-600-700	WE110-1200-400
WE112	WE112-150-1200	WE112-600-840	WE112-1200-480
WE118	WE118-150-1800	WE118-600-1260	WE118-1200-720
WE124	WE124-150-2400	WE124-600-1680	WE124-1200-960
WE130	WE130-150-3000	WE130-600-2100	WE130-1200-1200
WE136	WE136-150-3000	WE136-600-2520	WE136-1200-1440
WE142	WE142-150-3000	WE142-600-2940	WE142-1200-1680
WE148	WE148-150-3000	WE148-600-3000	WE148-600-3000
WE154	WE154-150-3000	WE154-600-3000	WE154-600-3000