WOCEN 沃森电源

WE SERIES

Programmable 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