

500kW Portable Load Bank for Generator Testing

This portable load bank is designed for generator set testing. Its compact and lightweight design is ideal for moving within a facility or between job sites.



Overview

High-Capacity Portable Testing Solution

This 500kW portable load bank is a specialized solution for rigorous generator set testing, featuring high-temperature resistant alloy resistors for safety and reliability. The unit is designed with a weather-proof structure to withstand harsh environments, making it ideal for both indoor and outdoor industrial applications. With multiple control modes and comprehensive protection functions, it ensures precise and secure power consumption management.

Performance Metrics

Key Performance Indicators

500 kW

Maximum Capacity

400 VAC

Rated Voltage

Technical Design

Resistor Technology	Special alloy resistor with high-temperature resistance and small thermal drift; operates at 1/3 of design temperature.
Cooling System	Industrial heavy-duty blower with horizontal inlet and vertical exhaust for low-noise operation.

Control & Operation

Control Modes

- Local panel control
- Remote control box/cabinet
- Intelligent control via PC software

Available Load Steps	1kW, 2kW, 5kW, 10kW, 50kW, 100kW, 200kW
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Safety & Protection

Integrated Protections

Overvoltage • Overcurrent • Overheat • Low Airflow Rate • Blower Overheat • Phase Sequence Reverse • Smoke Alarm

Physical Construction

Enclosure Type	Weather-proof integrated design suitable for abominable environments.
Portability	Yes
Mounting	Wheel-mounted for easy installation and transport.