

800kW Resistive Load Bank for Power System Testing

This 800kW resistive load bank is designed for testing and validating power systems. It provides a stable and controllable load for simulating real-world operating conditions.



ADDITIONAL IMAGES



Overview

Professional Power System Testing

This 800kW resistive load bank provides a stable and controllable electrical load for comprehensive performance testing of generators, UPS systems, and battery banks. Designed for industrial applications, it features high-grade stainless steel elements and precise load step control to simulate real-world operating conditions. With integrated safety protections and advanced metering, it is an essential tool for commissioning and maintenance in demanding environments.

Technical Specifications

Rated Testing Capacity

800 kW
Max Power

0.3 %
Accuracy Grade

Electrical Parameters

Parameter	Value/Range
Voltage Range	110-480 VAC
Frequency	50/60 Hz
Power Factor	1.0
Load Type	Resistive

Load Control Features

- Load step resolution: 10kW
- Includes 10kW, 20kW, 50kW, 100kW switches
- 0-10kW fine-tuning knob
- Local manual control
- Optional remote control (up to 30m)

Operating Environment

Operating Conditions

- Altitude: d 3000m
- Ambient Temperature: -10 to +50 °C
- Relative Humidity: d 80%
- Ventilated environment required

Safety & Construction

Industrial Grade Components

The unit utilizes high-quality industrial components, including stainless steel sheathed elements with magnesium oxide insulation, to ensure reliable performance and a long service life. Cooling is managed by industrial-grade axial fans mounted on the side for horizontal airflow.

Protection Mechanisms

Overheating Protection, Fan Failure Protection, Overload Protection, Alarm System