

500 kW Resistive Load Bank for Power System Testing

This 500 kW resistive load bank is a reliable solution for testing power generation systems. It simulates real-world electrical loads, ensuring accurate performance evaluation of generators, UPS systems, and other power sources.



ADDITIONAL IMAGES



Overview

Professional Power System Testing

This resistive load bank is designed for rigorous testing of generators, UPS systems, and battery banks. It features a durable, industrial-grade design with forced air cooling and precise load step control, allowing for flexible simulation of electrical loads. Equipped with advanced monitoring capabilities and safety protections, it ensures reliable performance validation for power systems in demanding environments.

Technical Specifications

Load Type	Resistive
Power Factor	1
Rated Testing Voltage	110-480 VAC
Rated Frequency	50/60 Hz
Load Step Resolution	10 kW
Control Modes	Local Manual, Remote Manual (Optional)

Key Components

Integrated Components

- Schneider contactors
- Siemens switches/relays
- ABB circuit breakers
- Phoenix terminal blocks
- Lovato electricity meter

Performance Metrics

Parameter Measuring Accuracy

0.3 %

Accuracy Grade

5 %

Load Control Accuracy

Operating Environment

Operating Limits

Parameter	Limit
Max Altitude	3000m
Ambient Temperature	-10 to +50 °C
Relative Humidity	d 80%

Safety & Protection

Protection Systems

Overheating Protection • Cooling Fan Failure Protection • Overload Protection • Alarm System