

# 500 kW Resistive Load Bank for Generator Testing

This 500kW resistive load bank is designed for generator testing and simulating electrical loads. It provides a stable and controllable load for testing generators and other power sources.



## ADDITIONAL IMAGES



## Overview

### Professional Generator Testing Solution

This 500 kW resistive load bank is designed for comprehensive performance testing and commissioning of generators, UPS systems, and battery banks. Engineered with high-grade stainless steel elements and industrial-grade cooling systems, it ensures reliable and accurate load simulation. The unit features precise load step control and advanced digital metering, making it an essential tool for routine maintenance and performance verification in demanding industrial environments.

## Performance Specifications

Maximum Capacity	500 kW
Load Type	Resistive (PF = 1.0)
Rated Testing Voltage	110-480 VAC (3P4W)
Load Step Resolution	10 kW
Parameter Measuring Accuracy	0.3 Grade
Load Control Accuracy	± 5%

## Control & Monitoring

### Internal Components

- Schneider contactors
- Siemens switches and indicators
- ABB circuit breakers
- Omron intermediate relays
- Phoenix terminal blocks

### Measurement Parameters

- Voltage
- Current
- Load Power
- Reactive Power
- Apparent Power
- Power Factor
- Frequency

### Control Modes

Local Manual, Remote Manual (Optional)

## Safety & Environment

### Protection Features

Overheating Protection • Fan Failure Protection • Overload Protection

### Operating Conditions

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