

700 kW AC Resistive Load Bank for UPS Testing

This 700 kW AC resistive load bank is a reliable solution for testing and validating the performance of power and UPS systems. It provides a stable and controllable resistive load to simulate real-world operating conditions.



ADDITIONAL IMAGES



Overview

Professional Load Testing Solution

This 700 kW AC resistive load bank is engineered for high-precision testing of generators, UPS systems, and battery banks. Featuring robust stainless steel elements and forced-air cooling, it provides reliable performance for commissioning, maintenance, and troubleshooting. The system offers flexible load control with 10 kW resolution and comprehensive protection mechanisms to ensure safety and accuracy during critical power system evaluations.

Performance Metrics

Total Testing Capacity

700 kW

Max Capacity

10 kW

Step Resolution

Load Type: Resistive (PF = 1.0)

Accuracy Grade: 0.3

Electrical Specifications

Voltage Range	110-480 VAC
Rated Frequency	50/60 Hz
Phase Configuration	Single Phase, Three Phase

Components & Control

Control Modes

- Local manual control
- Optional remote control (up to 30m)

Core Components

Component Type	Function
Contactors	Switching
Circuit Breakers	Protection
Relays	Control
Terminal Blocks	Connectivity

Safety & Environment

Safety Protections

Overheating Protection • Fan Failure Protection • Overload Protection

Operating Conditions

- Altitude: $\leq 3000\text{m}$
- Ambient Temp: -10 to $+50$ °C
- Relative Humidity: $\leq 80\%$