

2000kW Containerized Generator Load Bank

The 2000kW containerized generator load bank is a portable testing solution for verifying generator performance. Housed in a robust container, it applies controlled electrical loads with multiple load step resolutions and advanced monitoring.



Overview

High-Capacity Containerized Load Bank

This 2000kW containerized load bank offers a robust, portable solution for the maintenance testing and commissioning of mission-critical standby emergency power systems. Designed for harsh environments, it features a weather-proof structure and intelligent control systems, including local, remote, and PC-based operation. With its integrated design and high-precision load step resolution, it provides reliable performance for diverse industrial applications.

Performance Metrics

Max Load Power

2000 kW

Max Load Power

400 V

Rated Voltage

50 Hz

Frequency

Load Tolerance

- Each step: $\pm 5\%$
- Overall: $\pm 3\%$

Technical Specifications

Electrical Configuration

Parameter	Specification
Phase/Wire	3 Phase 4 Wire
Power Factor	1
Insulation Class	F
Communication	RS485, RS232

Protection Grade

IP54

Design & Construction

Dimensions (L×W×H)	4000mm * 2350mm * 2591mm
Weight	5500 kg
Cooling System	Forced air cooling via axial fan; horizontal inlet, vertical exhaust

Operating Environment

Operating Temperature	-20 to +50
Max Relative Humidity	d95%

Control & Safety

Protection Functions

- Overvoltage protection
- Overcurrent protection
- Overheat protection
- Blower phase sequence reverse protection
- Smoke alarm

Control Modes	Local Panel, Remote Control Box, Intelligent PC Software
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