ARAKAWA

電力試験シリーズ

POWER TEST LOAD BANK SOLUTIONS

RELIABLE TESTING FOR A MORE SUSTAINABLE TOMORROW





GENERATOR TESTING

DATA CENTER & UPS TESTING

TRANSFORMER TESTING

RENEWABLE ENERGY SYSTEM TESTING

INDUSTRIAL APPLICATIONS

PT. INDOTARA PERSADA

www.indotara.co.id

ARAKAWA
電力試験シリーズ

ABOUT ARAKAWA POWERTEST

PROFESSIONAL LOAD BANK SOLUTIONS FOR A MORE RELIABLE TOMORROW

ARAKAWA POWERTEST is a professional load bank solution line for testing and verification of power systems. The line supports generator testing, UPS and data center testing, transformer testing, renewable energy system testing, and industrial electrical applications.

Built for reliability, precision, and practical field use, **ARAKAWA POWERTEST** helps ensure stable, safe, and efficient operation of critical power systems across various industries.

Professional Testing Solutions

Purpose-built load bank solutions for testing and verification of power systems in various industries.

Reliable Field Performance

Robust design for stable operation in demanding environments, supporting long-term and repeated use.

Wide Application Coverage

Suitable for generator testing, UPS and data center testing, transformer testing, renewable energy system testing, and industrial electrical applications.

User-Oriented Control

Intuitive and practical control system with clear operation and real-time monitoring for efficient testing.



RELIABLE
Stable performance for critical power testing

ACCURATE
Precise and consistent load control

FLEXIBLE
Adaptable to various testing requirements

EASY MAINTENANCE
User-friendly design for efficient service

ARAKAWA
電力試験シリーズ

WHAT IS A LOAD BANK?

A load bank is a test device that simulates an electrical load to verify the performance and reliability of generators, UPS systems, batteries, transformers, inverters, and other power equipment.

Simulates Real Load
Applies controlled electrical load to accurately mimic real operating conditions.

Controls Test Steps
Allows precise control of load levels, test duration, and operating sequences.

Measures System Response
Monitors key electrical parameters such as voltage, current, frequency, and temperature.

Supports Safe Verification
Helps identify potential issues, ensures stable operation, and improves system reliability.



HOW A LOAD BANK WORKS

1. **Connect**
Connect the load bank to the equipment under test.

2. **Apply Load**
Apply the required load levels according to the test plan.

3. **Monitor**
Monitor electrical parameters and system response in real time.

4. **Evaluate**
Analyze test results to confirm performance and identify issues if needed.

ARAKAWA
電力試験シリーズ

WHY LOAD BANK TESTING MATTERS

ENSURING POWER SYSTEMS PERFORM TODAY AND STAY RELIABLE TOMORROW

Load bank testing verifies that your critical power systems can deliver real-world performance when it matters most. It helps identify potential issues early, ensures system reliability, and supports safe, efficient, and continuous operation across various industries.

PERFORMANCE VERIFICATION

Confirms that power systems can deliver the required capacity and operate within specified parameters under actual load conditions.

PREVENTIVE RISK REDUCTION

Identifies potential issues before they become critical failures, minimizing downtime and unplanned repair costs.

COMMISSIONING SUPPORT

Validates the performance of new installations to ensure they meet design specifications and are ready for operation.

ROUTINE MAINTENANCE TESTING

Helps maintain optimal system condition, extends equipment lifespan, and ensures continued reliability.

RELIABLE BACKUP POWER READINESS

Ensures emergency power systems are fully functional and ready to respond when needed, providing peace of mind for critical operations.



COMMON TEST TARGETS

APPLICABLE TO A WIDE RANGE OF POWER SYSTEMS ACROSS VARIOUS INDUSTRIES



GENERATORS



UPS



BATTERIES



DATA CENTER SYSTEMS



TRANSFORMERS



INVERTERS



RENEWABLE ENERGY SYSTEMS

ARAKAWA
電力試験シリーズ






PRODUCT LINEUP OVERVIEW

Complete Load Bank Solutions
for Diverse Power Testing Needs

01 ALB-R
AC Pure Resistive
Load Bank



02 ALB-RL
AC Resistive-Inductive
Load Bank



03 ALB-RC
AC Resistive-Capacitive
Load Bank



04 ALB-RLC
AC Resistive-Inductive-
Capacitive Load Bank



05 ALB-NL
AC Non-Linear
Load Bank



06 ALB-DC
DC Resistive
Load Bank



07 ALB-WC
Liquid-Cooled
Load Bank



- Single Phase & Three Phase
- Air-Cooled & Liquid-Cooled
- AC & DC Testing
- Compact to High Capacity
- Industrial-Grade Control

PT. INDOTARA PERSADA
www.indotara.co.id

ARAKAWA
電力試験シリーズ









SERIES STRUCTURE & CAPACITY COVERAGE

Quick selection guide across the ARAKAWA POWERTEST lineup.

No.	Series	Product Appearance	Load Type	Power Form	Typical Voltage	Capacity Range	Typical Applications
01	**ALB-R** AC Pure Resistive Load Bank		Resistive (R)	AC Single/Three Phase	220 V 380 V	3 kW ~ 3000 kW	Generator testing, UPS testing, Production test, General power testing
02	**ALB-RL** AC Resistive-Inductive Load Bank		Resistive-Inductive (RL)	AC Single/Three Phase	220 V 380 V	3 kVA ~ 2010 kVA	Generator testing, Inverter testing, Power factor test, Grid simulation
03	**ALB-RC** AC Resistive-Capacitive Load Bank		Resistive-Capacitive (RC)	AC Single/Three Phase	220 V 380 V	3 kVA ~ 213 kVA	Capacitive load simulation, Inverter testing, Power quality test, Research and development
04	**ALB-RLC** AC Resistive-Inductive-Capacitive Load Bank		Resistive-Inductive-Capacitive (RLC)	AC Single/Three Phase	220 V 380 V	3 kVA ~ 510 kVA	Renewable energy test, Grid simulation, Inverter testing, Comprehensive AC load test
05	**ALB-NL** AC Non-Linear Load Bank		Non-Linear (NL)	AC Single/Three Phase	220 V 380 V	3 kW ~ 510 kW	UPS testing, Data center testing, Non-linear load simulation, IT equipment test
06	**ALB-DC** DC Resistive Load Bank		Resistive (R)	DC	200 – 1000 V (1000 V class)	5 kW ~ 300 kW	Battery testing, Rectifier testing, EV charging system test, DC power supply test
07	**ALB-WC** Liquid-Cooled Load Bank		Resistive (R) Liquid-Cooled	AC / DC Three Phase	380 V or 1000 V class	200 kW ~ 1000 kW	High-power testing, Continuous long-duration test, Renewable energy systems, Specialized industrial testing

AIR-COOLED AND LIQUID-COOLED
Flexible cooling solutions for diverse testing needs.

AC AND DC COVERAGE
Supports AC single/three-phase and DC voltage up to 1000 V class.

FROM COMPACT TO HIGH CAPACITY
Wide capacity range from a few kW to multi-MW levels.

APPLICATION-ORIENTED SELECTION
Optimized solutions for generator, UPS, renewable energy, data center, battery and industrial testing.

PT. INDOTARA PERSADA
www.indotara.co.id

ARAKAWA

ALB-R

AC Pure Resistive Load Bank

ARAKAWA ALB-R is an AC single-phase and three-phase pure resistive load bank designed for generator testing, UPS testing, inverter testing, production testing, commissioning, and general power system verification.



Rack-Mounted Type



Cabinet Type



Container Type

PRODUCT FEATURES

- Segmented resistive load control
- Forced-air cooling for stable operation
- Modular structure for easy maintenance
- Touch-screen local control
- Real-time data monitoring
- Overheat and protection functions

APPLICATIONS

- Generator Testing
- UPS Testing
- Inverter Testing
- Production Testing
- General Power Testing

- Reliable
- Accurate
- Flexible
- Easy Maintenance

ARAKAWA

ALB-R

Operating Principle & Key Advantages

An AC pure resistive load bank applies a controllable resistive load to verify the performance and stability of power equipment under real operating conditions. It simulates actual electrical loads, helping to ensure reliable operation before commissioning, during routine testing, and for maintenance verification.





Rack-Mounted Type

Cabinet Type

Container Type

OPERATING PRINCIPLE

1 Connect to equipment
Connect the load bank to the power equipment (generator, UPS, etc.).

2 Apply load
Apply the required resistive load in steps or continuously.

3 Monitor data
Monitor voltage, current, frequency, power and other parameters in real time.

4 Evaluate results
Verify performance and stability based on the test data.

KEY ADVANTAGES

- Precise resistive loading
- Stable forced-air cooling
- Real-time monitoring
- Simple operation
- Reliable protection
- Easy maintenance

APPLICATION SCENARIOS

- Generator testing
- UPS testing
- Production testing
- Burn-in testing
- General power verification

ARAKAWA

ALB-R MODEL LINEUP

Single-Phase 220 V Pure Resistive Load Bank

This lineup covers compact AC single-phase resistive load banks for stable load simulation, burn-in testing, production verification, and routine electrical testing.



Rack-Mounted Type

Cabinet Type

SPECIFICATIONS (SINGLE-PHASE 220 V)

OEM Model	Rated Power (kW)	Rated Voltage (V)	Load Resolution (kW)	Box Size (mm)	Air Flow	Weight (kg)
ALB-R-3-220	3	220	0.01	484×600×266	Front-back	20
ALB-R-6-220	6	220	0.01	484×600×266	Front-back	25
ALB-R-10-220	10	220	0.1	484×600×356	Bottom-top	50
ALB-R-20-220	20	220	0.1	600×750×1115	Bottom-top	60
ALB-R-30-220	30	220	0.1	600×750×1335	Bottom-top	85

KEY FEATURES

- Compact air-cooled design
- Local touch-screen control
- Stable resistive loading
- Suitable for routine single-phase testing

- Compact
- Accurate
- User-Friendly
- Serviceable

ARAKAWA
電力試験シリーズ

ALB-R MODEL LINEUP

Dual-Voltage 110/220 V Pure Resistive Load Bank

This lineup supports switchable 110/220 V operation for flexible single-phase resistive testing in laboratories, production, commissioning, and routine electrical verification.



Rack-Mounted Type



Cabinet Type

SPECIFICATIONS (DUAL-VOLTAGE 110/220 V)

OEM Model	Rated Power (kW)	Rated Voltage (V)	Load Resolution (kW)	Box Size (mm)	Air Flow	Weight (kg)
ALB-R-3-DV	3	110/220	0.01	484×600×266	Front-back	25
ALB-R-6-DV	6	110/220	0.01	484×600×266	Front-back	30
ALB-R-10-DV	10	110/220	0.1	600×750×980	Bottom-top	55
ALB-R-20-DV	20	110/220	0.1	600×750×1115	Bottom-top	70
ALB-R-30-DV	30	110/220	0.1	600×750×1335	Bottom-top	90

KEY FEATURES

- Dual-voltage flexibility
- Local touch-screen control
- Stable resistive loading
- Suitable for flexible field testing
- Versatile
- Accurate
- User-Friendly
- Serviceable

ARAKAWA
電力試験シリーズ

ALB-R MODEL LINEUP

Three-Phase 380 V Pure Resistive Load Bank

This lineup covers AC three-phase resistive load banks for routine system testing, production verification, commissioning, and general electrical load simulation.



Cabinet type



Container type

SPECIFICATIONS (THREE-PHASE 380 V | 3–213 kW)

OEM Model	Rated Power (kW)	Rated Voltage (V)	Load Resolution (kW)	Box Size (mm)	Air Flow	Weight (kg)
ALB-R-3-380	3	380	0.01	484×600×266	Front-back	20
ALB-R-6-380	6	380	0.01	484×600×266	Front-back	30
ALB-R-12-380	12	380	0.1	600×750×980	Bottom-top	50
ALB-R-24-380	24	380	0.1	600×750×1335	Bottom-top	85
ALB-R-33-380	33	380	0.1	600×1000×1341	Bottom-top	120
ALB-R-63-380	63	380	0.1	600×1000×1532	Bottom-top	170
ALB-R-108-380	108	380	0.1	800×1000×1778	Bottom-top	250
ALB-R-153-380	153	380	0.1	800×1000×1778	Bottom-top	350
ALB-R-213-380	213	380	0.1	900×1000×1778	Bottom-top	450

KEY FEATURES

- Three-phase stable loading
- Touch-screen local control
- Forced-air cooling
- Suitable for routine field testing
- Reliable
- Accurate
- Flexible
- Serviceable

ARAKAWA
電力試験シリーズ

ALB-R MODEL LINEUP

Three-Phase 380 V Pure Resistive Load Bank

This high-capacity lineup is designed for large-scale load simulation, commissioning, and heavy-duty electrical verification across industrial facilities and power projects.



Container type



Cabinet type

SPECIFICATIONS (THREE-PHASE 380 V / 303–3000 kW)

OEM Model	Rated Power (kW)	Rated Voltage (V)	Load Resolution (kW)	Box Size (mm)	Air Flow	Weight (kg)
ALB-R-303-380	303	380	0.1	1000×1100×2000	Bottom-top	550
ALB-R-408-380	408	380	0.1	1200×1200×2000	Bottom-top	650
ALB-R-510-380	510	380	0.1	1200×1200×2200	Bottom-top	700
ALB-R-1020-380	1020	380	1	1200×2400×2200	Bottom-top	1500
ALB-R-1530-380	1530	380	1	2000×3500×2200	Bottom-top	2500
ALB-R-2010-380	2010	380	1	2000×4000×2200	Bottom-top	3500
ALB-R-3000-380	3000	380	1	2000×6000×2200	Bottom-top	4000

KEY FEATURES

- High-capacity three-phase loading
- Touch-screen local control
- Heavy-duty forced-air cooling
- Suitable for industrial power projects

Reliable | Accurate | Flexible | Serviceable

ARAKAWA
電力試験シリーズ

ALB-RL

AC Resistive-Inductive Load Bank

AC single-phase and three-phase resistive-inductive load bank for generator testing, inverter testing, power factor testing, grid simulation, commissioning, and general power system verification.



Cabinet Type



Container Type

PRODUCT FEATURES

- Segmented Load Control
- Resistive and Inductive Load Combination
- Forced-Air Cooling
- Local Touch-Screen Control
- Real-Time Data Monitoring
- Protection Functions

APPLICATIONS

- GENERATOR TESTING
- INVERTER TESTING
- POWER FACTOR TEST
- GRID SIMULATION
- COMMISSIONING

- **RELIABLE** — STABLE PERFORMANCE
- **ACCURATE** — PRECISE LOAD CONTROL
- **FLEXIBLE** — SUITABLE FOR VARIOUS TESTING NEEDS
- **EASY MAINTENANCE** — USER-FRIENDLY DESIGN

ARAKAWA
電力試験シリーズ

ALB-RL

Model Lineup

Three-Phase 380 V Resistive-Inductive Load Bank

This three-phase lineup covers medium-capacity RL load banks
for generator testing, inverter testing, power factor testing,
and grid simulation.



Cabinet Type



Container Type

SPECIFICATIONS (THREE-PHASE 380 V | 3–213 kVA)

OEM Model	Rated Power (kVA)	Rated Voltage (V)	Load Resolution (kVA)	Box Size (mm)	Air Flow	Weight (kg)
ALB-RL-3-380	3	380	0.01	600×750×1110	Bottom-top	110
ALB-RL-6-380	6	380	0.01	600×750×1335	Bottom-top	210
ALB-RL-12-380	12	380	0.01	600×750×1555	Bottom-top	250
ALB-RL-24-380	24	380	0.01	800×900×1555	Bottom-top	300
ALB-RL-33-380	33	380	0.01	800×900×1555	Bottom-top	380
ALB-RL-63-380	63	380	0.01	1000×1000×1750	Bottom-top	450
ALB-RL-108-380	108	380	0.1	1000×1400×1750	Bottom-top	650
ALB-RL-153-380	153	380	0.1	1000×1400×1750	Bottom-top	900
ALB-RL-213-380	213	380	0.1	1000×1600×2200	Bottom-top	1200

KEY FEATURES

- Power factor simulation
- Touch-screen control
- Forced-air cooling
- Suitable for field testing

RELIABLE
STABLE PERFORMANCE

ACCURATE
PRECISE LOAD CONTROL

FLEXIBLE
SUITABLE FOR VARIOUS TESTING NEEDS

SERVICEABLE
USER-FRIENDLY DESIGN

ARAKAWA
電力試験シリーズ

ALB-RL



Operating Principle & Key Advantages

An AC resistive-inductive load bank applies controllable resistive and inductive loads to verify the performance, stability, and power factor behavior of electrical equipment under real operating conditions. It supports commissioning, routine testing, and system verification for a wide range of power applications.



Cabinet Type



Container Type

OPERATING PRINCIPLE

1 Connect to equipment
Connect the load bank to the power equipment under test.

2 Apply resistive and inductive load
Apply the required load combination in steps or continuously.

3 Monitor data
Monitor voltage, current, frequency, power, and power factor in real time.

4 Evaluate results
Verify performance and operating stability based on the test data.

KEY ADVANTAGES

- Power factor simulation
- Resistive + inductive combination
- Stable forced-air cooling
- Real-time monitoring
- Reliable protection
- Easy maintenance

APPLICATION SCENARIOS

- Generator testing
- Inverter testing
- Power factor testing
- Grid simulation
- Commissioning
- General power verification

RELIABLE STABLE PEEFORMANCE

ACCURATE PRECISE LOAD CONTROL

FLEXIBLE SUITABLE FOR VARIOUS TESTING NEEDS

EASY MAINTENANCE USER-FRIENDLY DESIGN

ARAKAWA
電力試験シリーズ

ALB-RL

Model Lineup

Three-Phase 380 V High-Capacity Resistive-Inductive Load Bank

This high-capacity lineup is designed for large-scale load simulation, commissioning, and heavy-duty power verification across industrial facilities and power projects.



Cabinet Type



Container Type

SPECIFICATIONS (THREE-PHASE 380 V | 303–2010 kVA)

OEM Model	Rated Power (kVA)	Rated Voltage (V)	Load Resolution (kVA)	Box Size (mm)	Air Flow	Weight (kg)
ALB-RL-303-380	303	380	0.1	1100×2000×2200	Bottom-top	1500
ALB-RL-408-380	408	380	0.1	1300×2100×2200	Bottom-top	1800
ALB-RL-510-380	510	380	0.1	1300×2300×2200	Bottom-top	2200
ALB-RL-1020-380	1020	380	0.1	2000×3000×2200	Bottom-top	2500
ALB-RL-1530-380	1530	380	0.1	2000×4000×2200	Bottom-top	3500
ALB-RL-2010-380	2010	380	0.1	2000×5000×2438	Bottom-top	4500

KEY FEATURES

- High-capacity three-phase loading
- Touch-screen local control
- Heavy-duty forced-air cooling
- Suitable for industrial power projects

RELIABLE STABLE PERFORMANCE

ACCURATE PRECISE LOAD CONTROL

FLEXIBLE SUITABLE FOR VARIOUS TESTING NEEDS

SERVICEABLE EASY MAINTENANCE

ARAKAWA
電力試験シリーズ



ALB-RL
Model Lineup

Single-Phase 220 V Resistive-Inductive Load Bank

This lineup supports compact single-phase RL load banks
for laboratory testing, inverter testing, commissioning,
and routine electrical verification.



Cabinet Type



Container Type

SPECIFICATIONS (SINGLE-PHASE 220 V)

OEM Model	Rated Power (kVA)	Rated Voltage (V)	Load Resolution (kVA)	Box Size (mm)	Air Flow	Weight (kg)
ALB-RL-3-220	3	220	0.01	600×750×980	Bottom-top	100
ALB-RL-6-220	6	220	0.01	600×750×1335	Bottom-top	180
ALB-RL-10-220	10	220	0.01	600×750×1335	Bottom-top	200
ALB-RL-20-220	20	220	0.1	600×750×1555	Bottom-top	280
ALB-RL-30-220	30	220	0.1	600×1000×1555	Bottom-top	350

KEY FEATURES

- Resistive-inductive simulation
- Local touch-screen control
- Stable load steps
- Compact air-cooled design
- Suitable for single-phase testing

Compact | Accurate | User-Friendly | Serviceable

ARAKAWA
電力試験シリーズ

ALB-RC

AC Resistive-Capacitive Load Bank

ARAKAWA ALB-RC is designed for single-phase and three-phase resistive-capacitive load simulation for inverter testing, power quality testing, commissioning, research and development, and general power system verification.











Cabinet Type



Container Type

Product Features

- Segmented load control
- Local touch-screen control
- Resistive and capacitive load combination
- Real-time data monitoring
- Forced-air cooling
- Protection functions

Applications

- Inverter testing
- Power quality testing
- Capacitive load simulation
- Commissioning
- Research & Development

Reliable | Accurate | Flexible | Easy Maintenance

ARAKAWA
電力試験シリーズ

ALB-RC
Model Lineup



Single-Phase 220 V Resistive-Capacitive Load Bank

The ALB-RC model lineup supports compact single-phase RC load banks for inverter testing, commissioning, routine electrical verification, and capacitive load simulation.



Cabinet Type



Container Type

Specifications (Single-Phase 220 V)

OEM Model	Rated Power (kVA)	Rated Voltage (V)	Load Resolution (kVA)	Box Size (mm)	Air Flow	Weight (kg)
ALB-RC-3-220	3	220	0.01	600 × 750 × 980	Bottom-top	50
ALB-RC-6-220	6	220	0.01	600 × 750 × 1335	Bottom-top	65
ALB-RC-10-220	10	220	0.01	600 × 750 × 1335	Bottom-top	70
ALB-RC-20-220	20	220	0.01	600 × 750 × 1335	Bottom-top	90
ALB-RC-30-220	30	220	0.01	800 × 1000 × 1555	Bottom-top	100

Key Features

- Capacitive load simulation
- Local touch-screen control
- Stable load steps
- Compact air-cooled design
- Suitable for single-phase testing

Compact | Accurate | User-Friendly | Serviceable

ARAKAWA
電力試験シリーズ

ALB-RC
OPERATING PRINCIPLE & KEY ADVANTAGES









A resistive-capacitive load bank applies controllable resistive and capacitive loads to evaluate equipment performance, voltage behavior, and capacitive operating conditions under real testing scenarios.



Cabinet Type



Container Type

OPERATING PRINCIPLE

1. **CONNECT TO EQUIPMENT**
   Connect the load bank to the power equipment under test.
2. **APPLY RESISTIVE AND CAPACITIVE LOAD**
   Apply the required load combination in steps or continuously.
3. **MONITOR DATA**
   Monitor voltage, current, power, and related parameters in real time.
4. **EVALUATE RESULTS**
   Verify performance and operating stability based on the test data.

KEY ADVANTAGES

- CAPACITIVE LOAD SIMULATION
- RESISTIVE + CAPACITIVE COMBINATION
- STABLE FORCED-AIR COOLING
- REAL-TIME MONITORING
- RELIABLE PROTECTION
- EASY MAINTENANCE

APPLICATION SCENARIOS

- INVERTER TESTING
- POWER QUALITY TESTING
- RESEARCH & DEVELOPMENT
- COMMISSIONING
- GENERAL POWER VERIFICATION

Reliable | Accurate | Flexible | Easy Maintenance

ARAKAWA
電力試験シリーズ

ALB-RC MODEL LINEUP









Three-Phase 380 V Resistive-Capacitive Load Bank

This lineup covers three-phase RC load banks
for power quality testing, inverter testing,
commissioning, and capacitive load simulation.



Cabinet Type



Container Type

Specifications (Three-Phase 380 V)

OEM Model	Rated Power (kVA)	Rated Voltage (V)	Load Resolution (kVA)	Box Size (mm)	Air Flow	Weight (kg)
ALB-RC-12-380	12	380	0.1	600×750×1335	Bottom-top	75
ALB-RC-24-380	24	380	0.1	600×750×1555	Bottom-top	95
ALB-RC-33-380	33	380	0.1	600×750×1555	Bottom-top	120
ALB-RC-63-380	63	380	0.1	600×1000×1555	Bottom-top	175
ALB-RC-108-380	108	380	0.1	800×1000×1850	Bottom-top	260
ALB-RC-153-380	153	380	0.1	1000×1000×1850	Bottom-top	380
ALB-RC-213-380	213	380	0.1	1000×1300×1950	Bottom-top	500
ALB-RC-380-380	380	380	0.1	1000×1300×1950	Bottom-top	500

Key Features

- Power quality testing
- Touch-screen local control
- Forced-air cooling
- Suitable for three-phase testing

Reliable | Accurate | Flexible | Serviceable

ARAKAWA
電力試験シリーズ



ALB-RLC

Operating Principle & Key Advantages

An AC resistive-inductive-capacitive load bank applies controllable resistive, inductive, and capacitive loads to verify electrical equipment performance and support inverter, photovoltaic, and energy-storage testing.



Operating Principle

1. **Connect to equipment**
   Connect the load bank to the equipment under test (e.g., inverter, PV system, energy storage system).
2. **Apply resistive, inductive, and capacitive load**
   Independently or in combination, apply controllable resistive (R), inductive (L), and capacitive (C) loads.
3. **Monitor data**
   Monitor key electrical parameters such as voltage, current, power, power factor, and frequency in real time.
4. **Evaluate results**
   Verify equipment performance, stability, and compliance with test requirements.

Key Advantages

- Adjustable power factor 0.33 – 1
- Resistive + inductive + capacitive combination
- Stable forced-air cooling
- Real-time monitoring
- Local touch-screen control
- Reilable protection

Application Scenarios

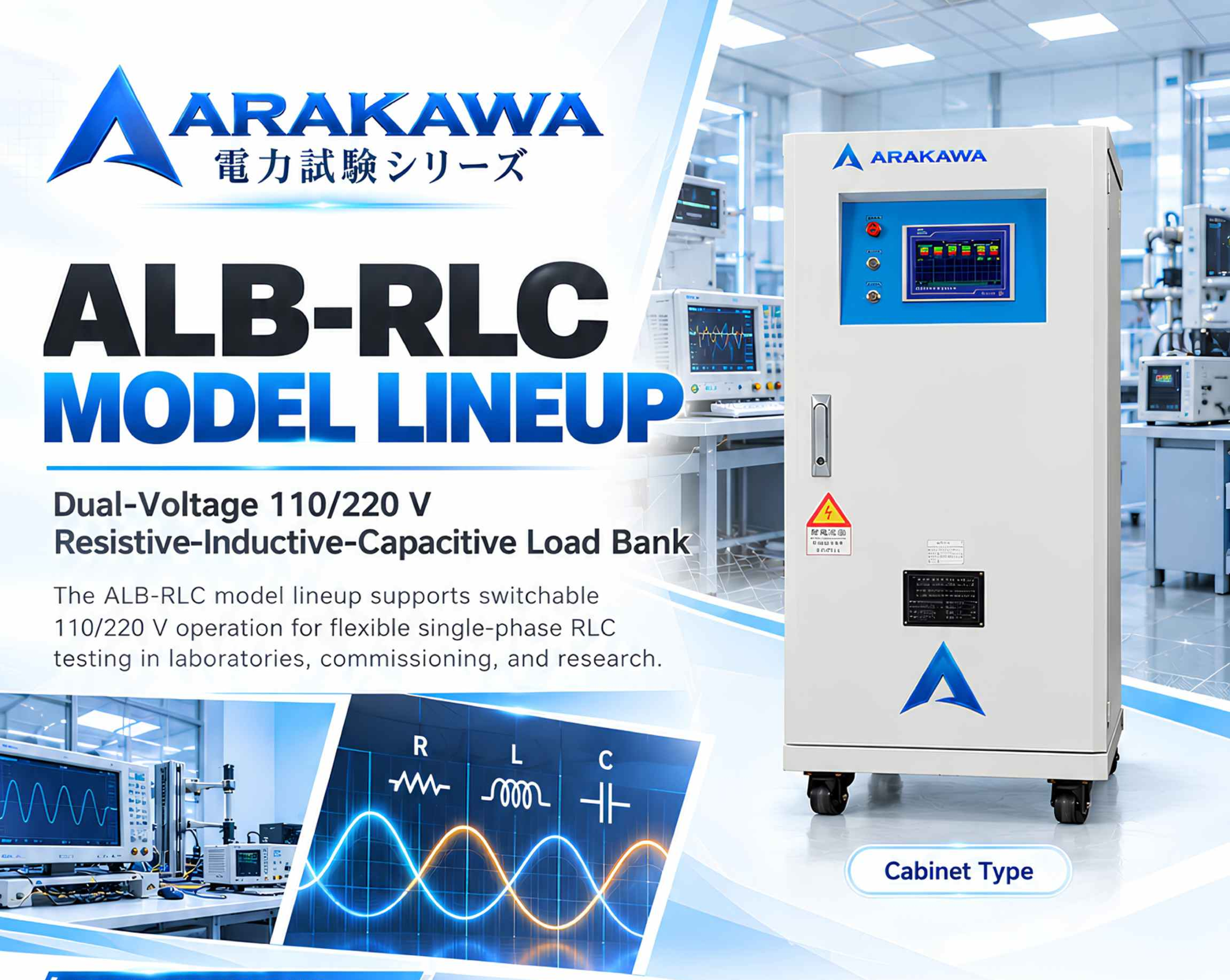
- PV inverter testing
- Household storage inverter testing
- Outdoor mobile energy storage testing
- Workshops & laboratories
- Installation & commissioning
- Scientific research

ARAKAWA
電力試験シリーズ

ALB-RLC MODEL LINEUP

Dual-Voltage 110/220 V Resistive-Inductive-Capacitive Load Bank

The ALB-RLC model lineup supports switchable 110/220 V operation for flexible single-phase RLC testing in laboratories, commissioning, and research.



SPECIFICATIONS

OEM Model	Rated Power (kVA)	Rated Voltage (V)	Load Resolution (kVA)	Box Size (mm)	Air Flow	Weight (kg)
ALB-RLC-3-DV/G	3	110/220 dual volt. switch	0.01	600×750×980	Bottom-top	120
ALB-RLC-6-DV/G	6	110/220 dual volt. switch	0.01	600×750×980	Bottom-top	210
ALB-RLC-10-DV/G	10	110/220 dual volt. switch	0.01	600×1000×1555	Bottom-top	250
ALB-RLC-20-DV/G	20	110/220 dual volt. switch	0.01	600×1000×1555	Bottom-top	320
ALB-RLC-30-DV/G	30	110/220 dual volt. switch	0.01	800×1000×1550	Bottom-top	380

Working power supply: single phase 220Vac.

- Dual-voltage flexibility
- Touch-screen control
- Stable RLC loading
- Laboratory-ready
- Serviceable design

ARAKAWA
電力試験シリーズ

ALB-RLC Model Lineup

Single-Phase 220 V Resistive-Inductive-Capacitive Load Bank

The ALB-RLC model lineup supports compact single-phase RLC load banks for inverter testing, commissioning, and research applications. It provides flexible resistive, inductive, and capacitive loading to simulate real-world conditions and help ensure reliable performance in various testing environments.



Cabinet Type

SPECIFICATIONS

OEM Model	Rated Power (kVA)	Rated Voltage (V)	Load Resolution (kVA)	Box Size (mm)	Air Flow	Weight (kg)
ALB-RLC-3-220/G	3	220	0.01	600×750×980	Bottom-top	110
ALB-RLC-6-220/G	6	220	0.01	600×750×1335	Bottom-top	200
ALB-RLC-10-220/G	10	220	0.01	600×750×1555	Bottom-top	220
ALB-RLC-20-220/G	20	220	0.01	600×750×1555	Bottom-top	290
ALB-RLC-30-220/G	30	220	0.01	600×1000×1555	Bottom-top	350

Working power supply: single phase 220Vac.

KEY FEATURES

- RLC simulation
- Touch-screen control
- Stable load steps
- Compact air-cooled design
- Suitable for single-phase testing

PT. INDOTARA PERSADA
www.indotara.co.id

ARAKAWA
電力試験シリーズ

ALB-RLC

AC Resistive-Inductive-Capacitive Load Bank



ARAKAWA ALB-RLC is designed for single-phase and three-phase resistive-inductive-capacitive load simulation for inverter testing, photovoltaic inverter testing, energy storage system testing, commissioning, and research. It provides a flexible and reliable solution for various power electronics testing applications.

Product Features

- Segmented load control
- Resistive, inductive, and capacitive load combination
- Adjustable power factor
- Touch-screen local control
- Real-time data monitoring
- Protection functions



Cabinet Type

Typical Applications

- PV inverter testing
- Household energy storage inverter testing
- Outdoor mobile energy storage testing
- Commissioning
- Research & Development

PT. INDOTARA PERSADA
www.indotara.co.id

ARAKAWA
電力試験シリーズ

ALB-RLC Model Lineup

Three-Phase 380 V Resistive-Inductive-Capacitive Load Bank

The ALB-RLC model lineup supports comprehensive three-phase RLC testing and anti-islanding testing for photovoltaic and power-system applications.
It provides stable, accurate and reliable load simulation for verifying protection functions, grid compliance and overall system performance.



Cabinet Type

OEM Model	Rated Power (kVA)	Rated Voltage (V)	Load Resolution (kVA)	Box Size (mm)	Air Flow	Weight (kg)
ALB-RLC-3-380/G	3	380	0.001	600×750×1115	Bottom-top	130
ALB-RLC-6-380/G	6	380	0.001	600×750×1335	Bottom-top	220
ALB-RLC-12-380/G	12	380	0.001	600×750×1555	Bottom-top	270
ALB-RLC-24-380/G	24	380	0.001	800×1000×1555	Bottom-top	390
ALB-RLC-33-380/G	33	380	0.001	800×1000×1555	Bottom-top	420
ALB-RLC-63-380/G	63	380	0.001	1000×1300×1750	Bottom-top	650
ALB-RLC-108-380/G	108	380	0.001	1000×1500×2000	Bottom-top	700
ALB-RLC-153-380/G	153	380	0.001	1000×2000×2000	Bottom-top	1000
ALB-RLC-213-380/G	213	380	0.001	1200×2000×2000	Bottom-top	1600
ALB-RLC-303-380/G	303	380	0.001	1200×2000×2200	Bottom-top	2200
ALB-RLC-408-380/G	408	380	0.001	1600×2000×2200	Bottom-top	3400
ALB-RLC-510-380/G	510	380	0.001	1800×2000×2200	Bottom-top	3600

Working power supply: 3 phase 380Vac. G version supports anti-islanding testing.

- Three-phase RLC testing
- Anti-islanding testing
- Touch-screen control
- Forced-air cooling
- Industrial application ready

PT. INDOTARA PERSADA
www.indotara.co.id

ARAKAWA
電力試験シリーズ

ALB-NL

AC Non-Linear Load Bank



ARAKAWA ALB-NL is designed for single-phase and three-phase non-linear load simulation for UPS testing, data center testing, inverter power-supply evaluation, commissioning, and general power system verification.

PRODUCT FEATURES

- Non-linear load simulation
- Touch-screen local control
- Real-time data monitoring
- Protection functions
- Forced-air cooling
- Stable load control

APPLICATIONS

- UPS testing
- Data center testing
- Inverter power supply testing
- Commissioning
- General power verification

- Reliable
- Accurate
- Flexible
- Easy Maintenance

PT. INDOTARA PERSADA
www.indotara.co.id

ARAKAWA
電力試験シリーズ

ALB-NL

Operating Principle & Key Advantages

An AC non-linear load bank simulates non-linear electrical loads to verify the behavior and stability of UPS systems, inverter power supplies, and other power equipment under real operating conditions.







OPERATING PRINCIPLE

1. **Connect to equipment**
   Connect the load bank to the equipment under test.
2. **Apply non-linear load**
   Apply the required non-linear load profile.
3. **Monitor data**
   Monitor voltage, current, power, frequency, and waveform data in real time.
4. **Evaluate results**
   Verify performance and operating stability based on the test data.

KEY ADVANTAGES

- Non-linear load simulation
- Real-time monitoring
- Touch-screen local control
- Forced-air cooling
- Reliable protection
- Easy maintenance

APPLICATION SCENARIOS

- UPS testing
- Data center testing
- Inverter power supply testing
- Commissioning
- General power verification

Reliable | **Accurate** | **Flexible** | **Easy Maintenance**

PT. INDOTARA PERSADA
www.indotara.co.id

ARAKAWA
電力試験シリーズ

ALB-NL
MODEL LINEUP

Single-Phase 220 V Non-Linear Load Bank

This lineup supports compact single-phase non-linear load banks for UPS testing, inverter power-supply testing, commissioning, and routine electrical verification.



SPECIFICATIONS

OEM Model	Rated Power (kW)	Rated Voltage (V)	Load Resolution (kW)	Box Size (mm)	Air Flow	Weight (kg)
ALB-NL-3-220	3	220	0.1	600×750×980	Top out	80
ALB-NL-6-220	6	220	0.1	600×750×1335	Top out	100
ALB-NL-10-220	10	220	0.1	600×750×1555	Top out	150
ALB-NL-20-220	20	220	0.1	600×1000×1555	Top out	170
ALB-NL-30-220	30	220	0.1	600×1000×1555	Top out	200

KEY FEATURES

- Non-linear load simulation
- Touch-screen local control
- Stable load control
- Compact air-cooled design
- Suitable for single-phase testing

Compact | **Accurate** | **User-Friendly** | **Serviceable**

PT. INDOTARA PERSADA
www.indotara.co.id

ARAKAWA
電力試験シリーズ

ALB-NL MODEL LINEUP

Three-Phase 380 V Non-Linear Load Bank

This lineup covers three-phase non-linear load banks for data center support, UPS evaluation, inverter power-supply testing, commissioning, and general electrical verification.







SPECIFICATIONS

OEM Model	Rated Power (kW)	Rated Voltage (V)	Load Resolution (kW)	Box Size (mm)	Air Flow	Weight (kg)
ALB-NL-3-380	3	380	0.1	600×750×980	Top out	80
ALB-NL-6-380	6	380	0.1	600×750×1115	Top out	100
ALB-NL-12-380	12	380	0.1	600×750×1335	Top out	160
ALB-NL-24-380	24	380	0.1	800×1000×1555	Top out	175
ALB-NL-33-380	33	380	0.1	800×1000×1555	Top out	225
ALB-NL-63-380	63	380	0.1	900×1000×1750	Top out	350
ALB-NL-108-380	108	380	0.1	1000×1200×2200	Top out	450
ALB-NL-153-380	153	380	0.1	1000×1500×2200	Top out	600
ALB-NL-213-380	213	380	0.1	1050×1600×2200	Top out	750
ALB-NL-303-380	303	380	0.1	1100×1800×2200	Top out	900
ALB-NL-408-380	408	380	0.1	1200×2100×2200	Top out	1100
ALB-NL-510-380	510	380	0.1	1200×2400×2200	Top out	1200

Working power supply: lower-capacity models typically use single-phase 220Vac auxiliary supply, higher-capacity models typically use three-phase 380Vac auxiliary supply.

KEY FEATURES

- Non-linear load simulation
- Touch-screen local control
- Forced-air cooling
- Heavy-duty design
- Suitable for three-phase testing

Reliable | **Accurate** | **Flexible** | **Serviceable**

PT. INDOTARA PERSADA
www.indotara.co.id

ARAKAWA
電力試験シリーズ

ALB-DC
DC Resistive Load Bank

ARAKAWA ALB-DC is designed for DC load simulation and discharge testing for battery systems, DC power supplies, charging modules, solar testing, and EV charger testing. It provides a reliable, safe and efficient solution for various DC power testing applications, helping to ensure stable operation, performance verification and long-term reliability of your equipment.



PRODUCT FEATURES

SEGMENTED LOAD CONTROL
Flexible load steps for precise testing

LOCAL TOUCH-SCREEN CONTROL
Easy operation and monitoring

REAL-TIME DATA MONITORING
Voltage, current, power and more

FORCED-AIR COOLING
High heat dissipation and reliable operation

MODULAR DESIGN
Easy to operate and maintain

OVER-TEMPERATURE PROTECTION
Safe and reliable operation

APPLICATIONS

- CHARGING PILE MODULE TESTING
- INVERTER BATTERY DISCHARGE TESTING
- BATTERY TESTING
- DC POWER SUPPLY TESTING
- SOLAR PANEL TESTING
- EV CHARGER TESTING

ARAKAWA ELECTRIC CO., LTD.
www.arakawa.co.jp

ARAKAWA
電力試験シリーズ

ALB-DC
Operating Principle & Key Advantages



RELIABLE DC CONSTANT-POWER DISCHARGE TESTING FOR A MORE SUSTAINABLE TOMORROW

The ALB-DC is a DC resistive load bank designed for constant-power discharge testing and verification.
It provides a controlled and safe way to discharge DC power sources such as batteries, charging modules, and DC power systems, ensuring accurate measurement of voltage, current and power, helping to verify system performance, reliability and safety.

OPERATING PRINCIPLE

1. **CONNECT TO EQUIPMENT**
Connect the ALB-DC to the DC power source (e.g. battery, charging module, DC power system).

2. **APPLY DC LOAD**
Set the required constant power value and start DC load discharge.

3. **MONITOR VOLTAGE / CURRENT / POWER**
Real-time monitoring of voltage, current and power through the touch-screen control system.

4. **EVALUATE RESULTS**
Analyze test data to verify system performance, reliability and safety.

KEY ADVANTAGES

- STABLE CONSTANT-POWER DISCHARGE
- LOCAL TOUCH-SCREEN CONTROL
- REAL-TIME MONITORING
- AUTOMATIC PROTECTION
- MODULAR STRUCTURE
- EASY MAINTENANCE

APPLICATION SCENARIOS

- BATTERY TESTING
- CHARGING MODULE TESTING
- SOLAR TESTING
- EV CHARGER TESTING
- LABORATORY USE
- INSTALLATION AND COMMISSIONING

ARAKAWA
電力試験シリーズ

ALB-DC MODEL LINEUP

Fixed 1000 V DC Resistive Load Bank



RELIABLE DC TESTING FOR A CLEANER TOMORROW

The ALB-DC series provides a reliable and flexible solution for DC power testing applications such as energy storage systems, solar power, EV charging infrastructure, data centers and industrial DC equipment.

FIXED 1000 V DC MODEL LINEUP

OEM Model	Rated Power (kW)	Rated Voltage (V)	Load Resolution (kW)	Air Flow	Working Supply
ALB-DC-5-1000	5	1000	0.1	Front-back	Single phase 220 Vac
ALB-DC-10-1000	10	1000	0.1	Bottom-top	Single phase 220 Vac
ALB-DC-20-1000	20	1000	0.1	Bottom-top	Single phase 220 Vac
ALB-DC-30-1000	30	1000	0.1	Bottom-top	Single phase 220 Vac
ALB-DC-40-1000	40	1000	0.1	Bottom-top	Single phase 220 Vac
ALB-DC-60-1000	60	1000	0.1	Bottom-top	Single phase 220 Vac
ALB-DC-100-1000	100	1000	0.1	Bottom-top	Single phase 220 Vac
ALB-DC-150-1000	150	1000	0.1	Bottom-top	Single phase 220 Vac
ALB-DC-200-1000	200	1000	0.1	Bottom-top	Three phase 380 Vac
ALB-DC-300-1000	300	1000	0.1	Bottom-top	Three phase 380 Vac

- CONSTANT-POWER DISCHARGE
- TOUCH-SCREEN CONTROL
- FORCED-AIR COOLING
- MODULAR DESIGN
- SUITABLE FOR DC TESTING

ARAKAWA
電力試験シリーズ





ALB-DC MODEL LINEUP

200–1000 V DC Constant Working Mode Load

Supports CC, CP, and CR operating modes.



MODEL LINEUP & SPECIFICATIONS

OEM Model	Rated Power (kW)	Rated Voltage (V)	Load Resolution (kW)	Current Range (A)	Working Supply
ALB-DC-5-200-1000	5	200 – 1000	0.1	1 – 25	single phase 220 Vac
ALB-DC-10-200-1000	10	200 – 1000	0.1	1 – 50	
ALB-DC-20-200-1000	20	200 – 1000	0.1	1 – 100	
ALB-DC-30-200-1000	30	200 – 1000	0.1	1 – 150	
ALB-DC-60-200-1000	60	200 – 1000	1	1 – 300	
ALB-DC-120-200-1000	120	200 – 1000	1	1 – 600	

CC
CP
CR

CC, CP, CR OPERATING MODES

LOCAL TOUCH-SCREEN CONTROL

REAL-TIME MONITORING

BATTERY DISCHARGE TESTING

LABORATORY & COMMISSIONING USE

ARAKAWA
電力試験シリーズ

ALB-WC
Liquid-Cooled Load Bank

ARAKAWA ALB-WC is designed for AC and DC water-cooled load testing, high-power discharge testing, generator and marine power verification, and stable continuous operation. With a robust design and advanced control system, it provides a reliable and efficient solution for high-capacity power testing in demanding environments.



PRODUCT FEATURES

WATER-COOLED HEAT DISSIPATION
Efficient and reliable cooling for high-power testing

LOW-NOISE OPERATION
Suitable for sensitive environments

STABLE HIGH-POWER TESTING
Designed for continuous high-capacity operation

LOCAL TOUCH-SCREEN CONTROL
User-friendly operation and easy configuration

REAL-TIME MONITORING
Comprehensive data and system status

PROTECTION FUNCTIONS
Multiple safeguards for safe and reliable operation

TYPICAL APPLICATIONS



MARINE GENERATOR TESTING
For shipboard power generation systems



HIGH-POWER AC LOAD TESTING
For large generators and power sources



DC DISCHARGE TESTING
For battery systems and DC power sources



POWER-SYSTEM VERIFICATION
For substations and critical power infrastructure



INSTALLATION & COMMISSIONING
For on-site testing and acceptance



LABORATORY TESTING
For R&D and type testing

PT. INDOTARA PERSADA
www.indotara.co.id

ARAKAWA
電力試験シリーズ

ALB-WC
Operating Principle & Key Advantages



The ARAKAWA ALB-WC liquid-cooled load bank is designed for high-capacity AC and DC load testing, marine generator testing, continuous discharge testing, and precise verification in demanding industrial environments. With a robust design and advanced control system, it ensures reliable, efficient and stable operation for critical power testing applications.

OPERATING PRINCIPLE

1. **Connect to equipment**
   Connect the ARAKAWA ALB-WC to the equipment under test.
2. **Apply load**
   Apply the required resistive load in controlled steps.
3. **Circulate cooling water**
   Maintain stable thermal performance with the liquid-cooling system.
4. **Monitor and evaluate**
   Monitor voltage, current, power, frequency, water temperature, and test status.

KEY ADVANTAGES

- WATER-COOLED HEAT DISSIPATION
- LOW-NOISE OPERATION
- STABLE CONTINUOUS TESTING
- REAL-TIME MONITORING
- LOCAL TOUCH-SCREEN CONTROL
- PROTECTION FUNCTIONS

APPLICATION SCENARIOS



MARINE GENERATOR TESTING



HIGH-POWER AC TESTING



DC DISCHARGE TESTING



SHIPBOARD POWER VERIFICATION



LABORATORY TESTING



INSTALLATION & COMMISSIONING

PT. INDOTARA PERSADA
www.indotara.co.id

ARAKAWA
電力試験シリーズ

ALB-WC
AC Water-Cooled Model Lineup



The ARAKAWA ALB-WC AC water-cooled load bank series is designed for high-capacity AC load testing, marine generator verification, continuous high-power discharge testing, and stable operation in demanding environments. The water-cooling system supports efficient thermal management and quiet operation for critical test applications.

KEY FEATURES

- High-capacity AC testing
- Water-cooled thermal control
- Low-noise operation
- Local touch-screen control
- Marine-generator ready

SPECIFICATIONS

Model	Rated Power	Rated Voltage	Load Resolution	Working Power Supply	Water Discharge	Box Size (W×D×H)	Weight
ALB-WC-AC200	200 kW	380 V	1 kW	Single-phase 220 Vac	30 m³/H	900 × 1000 × 2000 mm	450 kg
ALB-WC-AC400	400 kW	380 V	1 kW	Single-phase 220 Vac	60 m³/H	900 × 1800 × 2000 mm	700 kg
ALB-WC-AC600	600 kW	380 V	1 kW	Single-phase 220 Vac	90 m³/H	1200 × 1800 × 2000 mm	1000 kg
ALB-WC-AC1000	1000 kW	380 V	1 kW	Single-phase 220 Vac	120 m³/H	1200 × 2000 × 2200 mm	1500 kg

ARAKAWA
電力試験シリーズ

ALB-WC
DC Water-Cooled Model Lineup



ARAKAWA ALB-WC DC water-cooled models are intended for DC discharge testing, battery systems, charging infrastructure, and high-capacity industrial DC power applications. With a robust design and advanced water-cooling system, it provides a reliable and efficient solution for high-power DC testing in demanding environments.

KEY FEATURES

DC HIGH-POWER TESTING
Designed for high-capacity DC power testing

WATER-COOLED THERMAL CONTROL
Efficient and reliable cooling for stable continuous operation

LOW-NOISE OPERATION
Suitable for sensitive environments

TOUCH-SCREEN LOCAL CONTROL
User-friendly operation and easy configuration

BATTERY AND CHARGER TESTING
Ideal for battery systems and charging infrastructure

SPECIFICATIONS

Model	Rated Power	Rated Voltage	Load Resolution	Working Power Supply	Water Discharge	Box Size (W × D × H)	Weight
ALB-WC-DC200	200 kW	1000 V	1 kW	Single-phase 220 Vac	30 m³/H	900 × 1000 × 2000 mm	450 kg
ALB-WC-DC400	400 kW	1000 V	1 kW	Single-phase 220 Vac	60 m³/H	900 × 1800 × 2000 mm	700 kg

PT. INDOTARA PERSADA
www.indotara.co.id

ARAKAWA
電力試験シリーズ

ALB-A14/AU14
Alloy Power Resistor Rod









RELIABLE RESISTIVE SOLUTIONS FOR A MORE SUSTAINABLE TOMORROW

The ALB-A14/AU14 alloy power resistor rod adopts high performance alloy wire with excellent heat resistance, featuring a stainless steel tube and insulating heat sink design. It delivers high power density, good moisture and corrosion resistance, stable electrical performance, and reliable operation for long-term use. Widely used in AC resistive loads and DC resistive loads.



KEY FEATURES

- Good moisture & corrosion resistance
- Fast heat dissipation
- High insulation strength
- High-temperature resistant alloy wire
- Customizable resistance value
- Wide voltage range

TYPICAL USE

AC RESISTIVE LOADS
Suitable for various AC resistive load applications.

DC RESISTIVE LOADS
Suitable for various DC resistive load applications.

ARAKAWA
電力試験シリーズ

ALB-A14/AU14
Model Lineup & Specifications

ALLOY POWER RESISTOR ROD

RELIABLE PERFORMANCE FOR DEMANDING APPLICATIONS





- HIGH TEMPERATURE RESISTANCE
- STABLE PERFORMANCE
- CUSTOM SPECIFICATIONS
- WIDE VOLTAGE RANGE

SPECIFICATIONS

Model / Form	Min Resistance (Ω)	Max Resistance (Ω)	Rated Power (W)	Rated Current (A)	Withstand Voltage (V)	Accuracy
Double-ended straight pipe 300 mm	0.1	1200	500	40	2500	-5%~+2%
Double-ended straight tube 407 mm	0.1	1200	650	40	2500	-5%~+2%
Double-ended straight tube 457 mm	0.15	1300	750	40	2500	-5%~+2%
Double-ended straight tube 597 mm	0.2	1400	1000	40	2500	-5%~+2%
Double-ended straight tube 697 mm	0.25	1500	1250	40	2500	-5%~+2%
Double-ended straight tube 897 mm	0.3	1600	1500	40	2500	-5%~+2%
Double-ended straight pipe 1197 mm	0.4	1800	2000	40	2500	-5%~+2%
Double-ended straight pipe 1500 mm	0.5	2000	2700	40	2500	-5%~+2%
U tube 290 mm	0.2	1400	1000	40	2500	-5%~+2%

Custom specifications are available on request.

- GENERATOR TESTING
- DATA CENTER & UPS TESTING
- TRANSFORMER TESTING
- RENEWABLE ENERGY SYSTEM TESTING
- INDUSTRIAL APPLICATIONS

ARAKAWA
電力試験シリーズ



APPLICATIONS

TYPICAL LOAD BANK APPLICATION SCENARIOS

ARAKAWA load banks support verification, commissioning, maintenance, and R&D across a wide range of AC and DC power systems. Our solutions help ensure reliable operation, optimal performance, and higher energy resilience for critical infrastructure in industrial, commercial, and renewable energy applications.

01

GENERATOR SET TESTING

Verify generator capacity, performance, and reliability under real load conditions.



02

UPS TESTING

Validate UPS systems to ensure reliable backup power during critical operations.



03

DATA CENTER BACKUP POWER TESTING

Ensure data center power infrastructure operates reliably and maintains continuous power supply.



04

BATTERY DISCHARGE TESTING

Test battery systems, rectifiers, and DC power supplies to ensure reliable backup power performance.



05

PV INVERTER & ENERGY STORAGE TESTING

Validate PV inverters, energy storage systems, and hybrid power solutions under various operating conditions.



06

EV CHARGER & CHARGING MODULE TESTING

Simulate real charging conditions to verify the performance, stability, and safety of EV chargers and charging modules.



07

INSTALLATION & COMMISSIONING

Support on-site testing for installation, commissioning, and system integration to ensure stable and safe operation.



08

MARINE GENERATOR TESTING

Verify marine generator sets under shore and onboard conditions to ensure reliable power supply for marine applications.





ARAKAWA
電力試験シリーズ



PRODUCT SELECTION GUIDE

CHOOSE BY TEST OBJECT

TEST OBJECT	RECOMMENDED ARAKAWA SERIES	SELECTION NOTES
GENERATOR SET 	ALB-R ALB-RL ALB-WC	Recommended for generator capacity testing, performance verification, load acceptance, and reliability tests under real operating conditions.
UPS SYSTEM 	ALB-R ALB-NL	Suitable for UPS load testing to verify backup capacity, transfer performance, and operational reliability.
DATA CENTER 	ALB-R ALB-NL	Ideal for data center power testing, including UPS, power distribution, and overall power system validation under various load conditions.
BATTERY PACK / DC POWER SUPPLY 	ALB-DC	Designed for battery packs, rectifiers, and DC power supplies to verify capacity, discharge performance, and stable operation.
PV INVERTER / ENERGY STORAGE 	ALB-RLC ALB-DC	Applicable to PV inverters, energy storage systems, and hybrid systems for grid simulation, load testing, and performance validation.
EV CHARGER / CHARGING MODULE 	ALB-DC	Suitable for EV chargers and charging modules to verify output performance, protection functions, and long-term operational stability.
MARINE GENERATOR 	ALB-WC	Engineered for marine generator testing with wide operating range, high reliability, and capability to meet demanding marine environment requirements.
GENERAL COMMISSIONING 	ALB-R	A versatile solution for general commissioning tests, maintenance, and various power testing applications.

ARAKAWA
電力試験シリーズ









PRODUCT SELECTION GUIDE

CHOOSE BY LOAD TYPE & FUNCTION

SERIES	PRODUCT APPEARANCE	LOAD TYPE & FUNCTION	KEY FEATURES	MAIN APPLICATIONS	SELECTION NOTE
01 **ALB-R** AC Pure Resistive Load Bank		Pure Resistive (R)	• Stable resistive load • High accuracy • Suitable for continuous operation	Genset testing UPS testing General electrical verification	Recommended for general load testing with pure resistive characteristics.
02 **ALB-RL** AC Resistive-Inductive Load Bank		Resistive-Inductive (RL)	• Combines resistive and inductive loads • Adjustable power factor • Realistic load simulation	Generator testing Power factor simulation Electrical system validation	Ideal for simulating inductive loads and power factor conditions of real systems.
03 **ALB-RC** AC Resistive-Capacitive Load Bank		Resistive-Capacitive (RC)	• Combines resistive and capacitive loads • Adjustable capacitive ratio • Stable and precise control	Capacitive load simulation Electrical equipment testing Research and development	Suitable for testing systems with dominant capacitive characteristics.
04 **ALB-RLC** AC Resistive-Inductive-Capacitive Load Bank		Resistive-Inductive-Capacitive (RLC)	• Full R, L, C combination • Adjustable power factor (lagging/leading) • Flexible load profile setup	Inverter testing PV system testing Anti-islanding test	Best choice for complex load simulation such as inverter, renewable energy, and grid interconnection tests.
05 **ALB-NL** AC Non-Linear Load Bank		Non-Linear (NL)	• Simulates non-linear loads • Adjustable harmonic profile • Realistic UPS and IT load simulation	UPS testing Data center simulation Non-linear load analysis	Recommended for testing UPS, data centers, and systems with non-linear loads (harmonics).
06 **ALB-DC** DC Resistive Load Bank		Resistive (R)	• DC resistive load • Wide voltage range • High stability and safety	Battery testing Charger testing DC power supply test	Suitable for battery, charger, and DC power system testing.
07 **ALB-WC** Liquid-Cooled Load Bank		Resistive (Liquid-Cooled)	• Liquid-cooled design • High power and continuous-duty • Compact and low noise	High-capacity testing Continuous operation Renewable energy systems Specialized industrial testing	Ideal for high-capacity and long-duration testing with limited space or high thermal requirements.

MATCH YOUR TEST NEED
Select the right series based on load type, application and test purpose.

FLEXIBLE CONFIGURATION
Wide range of capacity, voltage and functions for various requirements.

RELIABLE AND ACCURATE
Stable performance with high measurement accuracy.

A MORE SUSTAINABLE TOMORROW
Supporting safe, efficient and clean energy systems through reliable testing.

PT. INDOTARA PERSADA
www.indotara.co.id

ARAKAWA
電力試験シリーズ



PRODUCT SELECTION GUIDE

RELIABLE TESTING
FOR A MORE
SUSTAINABLE TOMORROW

CHOOSE BY CAPACITY, INSTALLATION, AND DUTY

01 SMALL PORTABLE & LABORATORY USE

Flexible, easy-to-use solutions for R&D and maintenance.



Typical Use
Lower power testing, R&D, laboratory use, flexible tests

Typical Power Range
Up to ~ 510 kW

Installation Note
Indoor use, compact and portable

Recommended Series

ALB-R | ALB-RLC | ALB-NL

02 MEDIUM CABINET TYPE

Versatile solution for routine industrial testing needs.



Typical Use
Routine industrial testing, generator testing, UPS testing, production test

Typical Power Range
~ 3 kW to ~ 300 kW

Installation Note
Indoor or sheltered installation

Recommended Series

ALB-R | ALB-RL | ALB-DC

03 HIGH-POWER INDUSTRIAL CABINET / CONTAINER

For large generator and plant testing applications.



Typical Use
Large generator testing, power plant and industrial facility testing

Typical Power Range
~ 200 kW to ~ 3000 kW

Installation Note
Outdoor or dedicated installation area

Recommended Series

ALB-R | ALB-RL | ALB-RLC

04 WATER-COOLED CONTINUOUS-DUTY SYSTEM

High-capacity, long-duration testing with superior stability.



Typical Use
Long-duration high-capacity testing, continuous operation, renewable energy systems

Typical Power Range
~ 200 kW to ~ 1000 kW and higher

Installation Note
Outdoor or dedicated area, low-noise & high thermal performance

Recommended Series

ALB-WC

SELECTION CHECKLIST

Define your key requirements to find the best ARAKAWA load bank solution.

1. TARGET VOLTAGE
e.g. 220 V, 380 V, 400 V, 1000 V

2. TARGET POWER
e.g. kW / kVA and future expansion

3. LOAD TYPE
Resistive (R), Inductive (RL), Capacitive (RC), Non-Linear (NL), or Combined (RLC)

4. TEST DURATION
Short-term, intermittent, or continuous duty

5. INSTALLATION SPACE
Indoor, outdoor, container, or space-limited

6. COOLING REQUIREMENT
Air-cooled or water-cooled (low-noise, high thermal performance)

PT. INDOTARA PERSADA
www.indotara.co.id

ARAKAWA
電力試験シリーズ

AFTER-SALES SERVICE

Technical Support & Service Commitment



TECHNICAL CONSULTATION
Expert advice to help you choose the right testing solution.

INSTALLATION SUPPORT
Guidance and on-site support during equipment installation.

COMMISSIONING ASSISTANCE
Full support to ensure optimal and safe operation.

SPARE PARTS SUPPORT
Reliable supply of original spare parts for long-term performance.

PREVENTIVE MAINTENANCE
Planned maintenance to maximize reliability and minimize downtime.

SERVICE COVERAGE



SUPPORT HIGHLIGHTS

- Experienced Technical Support Team
- Professional Installation & Commissioning
- Reliable Spare Parts Support
- Responsive Service Coordination
- Preventive Maintenance & Troubleshooting



PT. INDOTARA PERSADA
www.indotara.co.id

ARAKAWA
電力試験シリーズ

SERVICE WORKFLOW & WARRANTY SUPPORT

Efficient Coordination for Reliable Operation



01 INQUIRY & CONSULTATION

Discuss your requirements and provide expert consultation to find the right solution.

02 TECHNICAL REVIEW

Analyze specifications and application needs to ensure optimal configuration.

03 INSTALLATION / COMMISSIONING

Guidance and on-site support during installation and commissioning to ensure proper operation.

04 MAINTENANCE / TROUBLESHOOTING

Ongoing maintenance support and troubleshooting to minimize downtime.

05 SPARE PARTS & FOLLOW-UP

Supply of original spare parts and continuous follow-up for long-term performance.

SERVICE COMMITMENT

- Experienced Technical Support Team
- Professional Installation & Commissioning
- Reliable Spare Parts Support
- Responsive Service Coordination
- Preventive Maintenance & Troubleshooting

SUPPORT COVERAGE



WARRANTY & SUPPORT NOTES

Warranty and support scope may follow project configuration, installation conditions, and product category.



PT. INDOTARA PERSADA
www.indotara.co.id

ARAKAWA
電力試験シリーズ

CONTACT US

Sales & Technical Support for Load Bank Solutions



Head Office

50/F, Menara BCA Grand Indonesia
JL. M.H. Thamrin No.1,
Jakarta Pusat 10310

021 - 5011 2227

dee@indotara.id





Marketing Office

Maggiore Business Loft No. 01-02
Gading Serpong,
Tangerang - Banten 15332

021 - 5011 2227
dee@indotara.id

Showroom

Millenium Industrial Estate
Jl. Millenium 22 Blok R3 No. 1
Cikupa 15710, Kab. Tangerang - Banten

021 - 5011 2227
dee@indotara.id

Branch Offices

Bandung Office
Wisma HSBC Lt. 6 Suite B
Jalan Asia Afrika No.116,
Kota Bandung, Jawa Barat 40112
021 - 5011 2227
bdg.dee@indotara.id

Surabaya Office
Japfa Indoland Center, Tower I Lt. 10/1008
Jl. Jendral Basuki Rahmat 129-137
Surabaya 60271
031 - 3360 1490
sby.dee@indotara.id

Semarang Office
Gedung Wisma HSBC Lt. 6 Suite 609,
Jl. Gajah Mada No. 135
Semarang, Jawa Tengah 50134
024 - 40 300 892
smg.dee@indotara.id

Medan Office
Sutomo Tower Lantai 5H
Jl. Sutomo Ujung No.28,
Kota Medan, Sumatera Utara 20235
061 - 50 300 594
mdn.dee@indotara.id

Bali Office
Benoa Square Lt. 2
Jl. Bypass Ngurah Rai No. 21 A Kedonganan,
Kuta Badung - Bali Indonesia 80361
021 - 5011 2227
bali.dee@indotara.id

Makassar Office
Fajar Graha Pena Lt. 5
Jl. Urip Sumoharjo No. 20,
Makassar - Sulawesi Selatan 90234
021 - 5011 2227
mks.dee@indotara.id

Balikpapan Office
Panin Tower Lt. 8 Grand Sudirman
Jl. Jendral Sudirman No.7 Klandasan Ilir,
Balikpapan Kota - Kalimantan Timur 76114
021 - 5011 2227
bpp.dee@indotara.id

Yogyakarta Office
Hartono Mall Yogyakarta Lt. 3
Kaliwaru, Condongcatur,
Sleman, Yogyakarta 55281
021 - 5011 2227
yog.dee@indotara.id

Singapore Office
Marina Bay Financial Centre Tower 3
17F, 12 Marina Boulevard
Singapore - 018982
sing.dee@indotara.id

YouTube
PT. Indotara Persada
youtube.com/@indotara-persada

PT. INDOTARA PERSADA
www.indotara.co.id