



## AC-RLB-Digital Resistive-Reactive Load Banks (up to 6,250 kVA)



AC-LB-Digital Load Bank

### Product Overview

The RLB Digital series includes mobile and outdoor rated load bank solutions from 12.5 kVA to 6,250 kVA designed for portable, permanent or mobile outdoor installations. Control features include local unit mounted plus remote control by advanced PC software. Provides easily programmed load profile solutions for working with simple to complex testing applications of various generators, UPS systems, Data centers, power supplies, A/C systems, and other critical AC power sources. Eagle Eye designs incorporate a robust steel outer construction with isolated interior chambers for control and load elements. This ensures electrical components are kept away from dirt and debris for long-life reliability in harsh test environments. Permanent and outdoor rated units are available with louvers. All units come with multiple built-in automatic safety shutdowns and manual override shutdown.

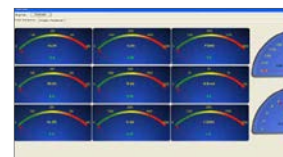
### Features

- Digital metering for high-precision data read-out
- User controlled manually or through software with programmed load profile
- Detailed data management, analysis, and report generation through software
- Automatic load testing allows user to set custom periods of power and time
- Display of current, voltage, power, power factor, frequency, and time
- Emergency manual stop button for quick termination of load test
- Automatic stop protection for adverse conditions including over-load, over-voltage, high temperature, short-circuit

### Technical Specifications

<b>Voltage Versions</b>	208, 240, 240/480, 480 & 600 VAC Three Phase Versions Available
<b>kVA Models</b>	12.5 - 6,250 kVA
<b>Frequency</b>	50/60 Hz
<b>Resolution</b>	1 kVA
<b>Configuration</b>	Three Phase, 3 wire delta or 4 wire wye
<b>Digital Display</b>	LCD multiple function display meter
<b>Communication</b>	RS232/485, USB port provided
<b>Cooling</b>	Forced air cooling
<b>Environmental</b>	up to 50 °C (122 °F)
<b>Control</b>	Local panel control & remote advanced PC software

### Advanced Load Control & Data Management Software



## Product Highlights

Eagle Eye Power Solutions Digital Resistive Reactive Load banks are available in multiple voltage and kW configurations. They are used for testing three phase AC power systems requiring a combined resistive and reactive load for many applications and are available up to 6,250 kVA. Resistive Reactive load banks provide a lagging or leading power factor load test. This type of load allows simulation of real world load conditions like large motor loads for example. The RLB series load banks provide full kVA system testing on many types of power systems including engine generator sets or UPS systems. Resistive Capacitive RC loads or Resistive Inductive and Capacitive RLC loads are also available for test cell applications where various power factors need to be simulated when testing a power system. In addition, multiple load banks can be operated together for larger system testing.

Single and multi-voltage versions are available to provide versatility and flexibility when performing AC load testing. Digital Load Controls provide flexibility and include both local unit mounted load step switches plus advanced remote load control using the included advanced software for laptop operation. This includes the ability to control, monitor and record load tests with data exportable for reporting and historical record retention. In addition, load profiles can be set up to perform preprogrammed automatic load testing. Local manual control switches with Digital Display for monitoring load conditions is also included. Designs can be configured for permanent or mobile installations.

## Typical Load Bank Applications & Markets

### System Testing Applications

- AC Power System Commissioning / Start-up
- OEM Factory Production Test Cells
- Product R&D and Endurance Testing
- Engine & Emission OEM R&D Test Cells
- UPS Power System OEM's
- Gas Turbine Testing
- Solar / Wind Power System Testing
- Locomotive Power System Testing

### Service / Rental Applications

- Generator Set Annual Preventative Maintenance
- Rental Fleet Power Generation Equipment Preventative Maintenance
- Installed Generator Preventative Maintenance
- UPS Power System Testing
- Gen Set Commissioning at startup or recommissioning after system modification
- Switchgear Load Testing
- Marine Power Generation System Testing
- National Load Bank Rental Fleets

## Ordering Information

Model No.	Description	Model No.	Description
<b>Resistive - Reactive Load Bank Models</b>			
AC-RLB-37	LB-37.5 kVA Digital AC Load Bank	AC-RLB-1250	LB-1250 kVA Digital AC Load Bank
AC-RLB-62	LB-62 kVA Digital AC Load Bank	AC-RLB-1500	LB-1500 kVA Digital AC Load Bank
AC-RLB-93	LB-93.75 kVA Digital AC Load Bank	AC-RLB-1562	LB-1562 kVA Digital AC Load Bank
AC-RLB-125	LB-125 kVA Digital AC Load Bank	AC-RLB-1875	LB-1875 kVA Digital AC Load Bank
AC-RLB-156	LB-156.25 kVA Digital AC Load Bank	AC-RLB-2187	LB-2187 kVA Digital AC Load Bank
AC-RLB-187	LB-187.5 kVA Digital AC Load Bank	AC-RLB-2500	LB-2500 kVA Digital AC Load Bank
AC-RLB-312	LB-312.5 kVA Digital AC Load Bank	AC-RLB-3125	LB-3125 kVA Digital AC Load Bank
AC-RLB-375	LB-375 kVA Digital AC Load Bank	AC-RLB-3437	LB-3437 kVA Digital AC Load Bank
AC-RLB-500	LB-500 kVA Digital AC Load Bank	AC-RLB-3750	LB-3750 kVA Digital AC Load Bank
AC-RLB-625	LB-625 kVA Digital AC Load Bank	AC-RLB-4375	LB-4375 kVA Digital AC Load Bank
AC-RLB-750	LB-750 kVA Digital AC Load Bank	AC-RLB-5000	LB-5000 kVA Digital AC Load Bank
AC-RLB-1000	LB-1000 kVA Digital AC Load Bank	AC-RLB-6250	LB-6250 kVA Digital AC Load Bank
<b>Capacitive Load Banks</b>			
AC-LBC-500	LB-500 kVARC Digital AC Load Bank	AC-LBC-1500	LB-1500 kVARC Digital AC Load Bank
AC-LBC-750	LB-750 kVARC Digital AC Load Bank	AC-LBC-1750	LB-1750 kVARC Digital AC Load Bank
AC-LBC-1000	LB-1000 kVARC Digital AC Load Bank	AC-LBC-1875	LB-1875 kVARC Digital AC Load Bank
AC-LBC-1125	LB-1125 kVARC Digital AC Load Bank	AC-LBC-2250	LB-2250 kVARC Digital AC Load Bank
AC-LBC-1350	LB-1350 kVARC Digital AC Load Bank	AC-LBC-2500	LB-2500 kVARC Digital AC Load Bank
<b>Resistive Inductive Capacitive (RLC) Load Bank Models</b>			
AC-RLC-500	LB-500 kVA Digital AC Load Bank	AC-RLC-750	LB-750 kVA Digital AC Load Bank