



## AC-LB-Digital Outdoor Resistive Load Banks (up to 6,000 kW)



AC-LB-Digital Load Bank

### Product Overview

The LB Digital series includes outdoor rated load bank solutions from 10 kW to 6,000 kW designed for 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 chassis 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.

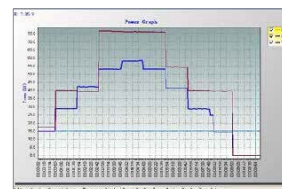
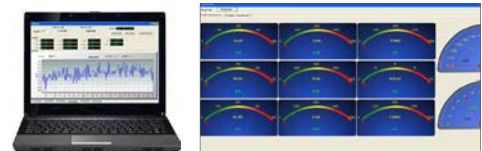
### Features

- 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 - Other Voltages Available
<b>kW Models</b>	10 - 6,000 kW
<b>Frequency</b>	50/60 Hz
<b>Resolution</b>	1 kW
<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 Three Phase Outdoor Resistive Load banks are available in multiple voltage and kW configurations. They are used for testing three phase AC power systems requiring a resistive load for any applications and are available up to 6,000 kW. Resistive load banks provide a unity power factor load test. The LB series load banks can be used independently or combined in parallel with reactive load banks for full kVA testing of AC electrical power sources including generator sets or UPS systems. 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. The 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 records. In addition, load profiles can be set up to perform pre-programmed 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	Dimensions	Weight
Inductive Load Bank Models			
AC-LB-10kW	LB-10kW Digital AC Load Bank	48 x 48 x 76 cm	50 kg
AC-LB-30kW	LB-30kW Digital AC Load Bank	48 x 48 x 76 cm	50 kg
AC-LB-50kW	LB-50kW Digital AC Load Bank	57 x 53 x 81 cm	95 kg
AC-LB-75kW	LB-75kW Digital AC Load Bank	90 x 57 x 101 cm	140 kg
AC-LB-100kW	LB-100kW Digital AC Load Bank	90 x 57 x 101 cm	140 kg
AC-LB-125kW	LB-125kW Digital AC Load Bank	145 x 92 x 106 cm	340 kg
AC-LB-150kW	LB-150kW Digital AC Load Bank	145 x 92 x 106 cm	340 kg
AC-LB-200kW	LB-200kW Digital AC Load Bank	145 x 92 x 106 cm	340 kg
AC-LB-250kW	LB-250kW Digital AC Load Bank	155 x 125 x 198 cm	500 kg
AC-LB-300kW	LB-300kW Digital AC Load Bank	155 x 125 x 198 cm	500 kg
AC-LB-400kW	LB-400kW Digital AC Load Bank	155 x 125 x 198 cm	735 kg
AC-LB-500kW	LB-500kW Digital AC Load Bank	155 x 125 x 198 cm	735 kg
AC-LB-800kW	LB-800kW Digital AC Load Bank	244 x 144 x 168 cm	1100 kg
AC-LB-1000kW	LB-1000kW Digital AC Load Bank	244 x 144 x 168 cm	1300 kg
AC-LB-1250kW	LB-1250kW Digital AC Load Bank	260 x 140 x 168 cm	1600 kg
AC-LB-1500kW	LB-1500kW Digital AC Load Bank	290 x 190 x 210 cm	2000 kg
AC-LB-1750kW	LB-1750kW Digital AC Load Bank	400 x 243 x 259 cm	4500 kg
AC-LB-2000kW	LB-2000kW Digital AC Load Bank	400 x 243 x 259 cm	4500 kg
AC-LB-2500kW	LB-2500kW Digital AC Load Bank	605 x 243 x 259 cm	6750 kg
AC-LB-2750kW	LB-2750kW Digital AC Load Bank	605 x 243 x 259 cm	7150 kg
AC-LB-3000kW	LB-3000kW Digital AC Load Bank	605 x 243 x 259 cm	7500 kg
AC-LB-3500kW	LB-3500kW Digital AC Load Bank	605 x 243 x 259 cm	8250 kg
AC-LB-4000kW	LB-4000kW Digital AC Load Bank	605 x 243 x 259 cm	9000 kg
AC-LB-5000kW	LB-5000kW Digital AC Load Bank	915 x 243 x 259 cm	9750 kg
AC-LB-5500kW	LB-5500kW Digital AC Load Bank	915 x 243 x 259 cm	12000 kg
AC-LB-6000kW	LB-6000kW Digital AC Load Bank	915 x 243 x 259 cm	13500 kg