



## LB-Series Digital AC Portable Resistive Three Phase Load Banks (10 - 1,000kW)



LB-Series AC Load Bank

### Product Overview

Model options range from small, portable, low-power units, to high-power indoor or outdoor permanent load solutions. PC software controls offer advanced load profile solutions for working within simple to complex testing applications of various generators, UPS systems, Data centers, power supplies, A/C systems, and other critical AC power sources. Design elements 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. Portable options include lifting eyes and caster wheels while permanent and outdoor rated units are available. 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

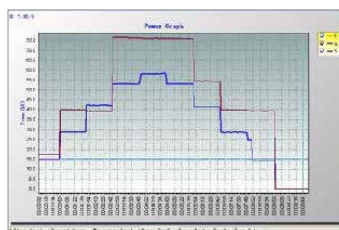
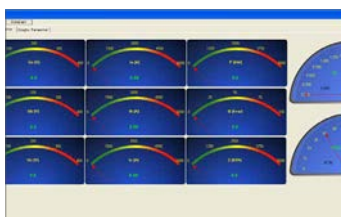
### Technical Specifications

<b>Voltage Versions</b>	208, 240, 240/480, 480 & 600 VAC Three Phase Versions Available
<b>kW Models</b>	10, 30, 40, 50, 100, 200, 300, 500, 800 & 1000 kW
<b>Frequency</b>	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>	-10 – 50 °C (14 – 122 °F), ≤95% RH
<b>Control</b>	Local panel control or laptop control

### Order Includes

- LB-AC Load Bank
- 10m (30ft.) RS485 software cable
- RS485/RS232/USB converter
- Data management software

### Advanced Load Control & Data Management Software



## Product Highlights

Eagle Eye Power Solutions Three Phase Portable 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 up to 1000 kW in a portable package. Resistive loads provide a unity power factor load test. These 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.

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 switches plus advanced load control remote control using the advanced load control 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 run automatic load profile testing. Local manual control switches and Digital Display for monitoring load conditions is also included. Designs can be configured

## 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 mods
- Switchgear Load Testing
- Marine Power Generation System Testing
- Rental Fleet Load Banks

## Ordering Information

Model No.	Description	Dimensions	Weight
LB-10kW	LB-10kW Digital AC Load Bank	48 x 48 x 76 cm	50 kg
LB-30kW	LB-30kW Digital AC Load Bank	48 x 48 x 76 cm	50 kg
LB-50kW	LB-50kW Digital AC Load Bank	57 x 53 x 81 cm	95 kg
LB-100kW	LB-100kW Digital AC Load Bank	90 x 57 x 101 cm	140 kg
LB-200kW	LB-200kW Digital AC Load Bank	145 x 92 x 106 cm	340 kg
LB-300kW	LB-300kW Digital AC Load Bank	155 x 125 x 198 cm	500 kg
LB-500kW	LB-500kW Digital AC Load Bank	155 x 125 x 198 cm	735 kg
LB-800kW	LB-800kW Digital AC Load Bank	230 x 125 x 198 cm	1000 kg
LB-1000kW	LB-1000kW Digital AC Load Bank	230 x 125 x 198 cm	1300 kg