



LB-Series DC Resistive Load Bank

Model # LB-Series



The Eagle Eye **LB-Series DC Load Banks** are compact, portable resistive load banks that offer a simplistic solution to DC load testing. Each load bank is self-contained in a rugged, durable frame and is designed for DC load testing in harsh environments. Common applications include power supply testing, battery discharge testing, rectifier testing, DC generator testing, and more. All load banks are backed with a standard 2-year warranty.

The LB-Series DC Load Bank series offers over 35 standard models. Standard DC Voltages are 10 - 525 VDC. Current Ranges are 10 - 1200 Amps. Each DC Load Bank has the option to choose either 1 Amp or 5 Amp load step resolution. Other resolutions are available upon request. A full **DC Load Bank Model List** is located in the downloads

section on this page. If you do not see a model to fit your load testing needs, please contact Eagle Eye and we can design and manufacture a custom-built load bank for your application.

Every DC Load Bank is easy-to-use with a digital LCD display operator control panel. Straightforward individual fan switches, load step switches, and master load switches make the unit user-friendly. Safety features are equipped on every DC Load Bank for fast acting, branch circuit fuse protection and sensors to prevent overheating and current overload.

The LB-Series DC Load Bank includes:

- LB-Series DC Load Bank Unit
- Positive and Negative Discharge Cables
- AC Power Cable
- User Manual

Optional Features:

- Padded Carrying Case
- Mounted Wheels
- Mating Plug Set
- Cable Set
- Alternate Load Step Control
- Remote Control
- Storage Cover

Annual resistive load testing eliminates problems brought on by neglect and under-utilization of a DC power supply. During a DC load test, the load bank accurately mimics the operational or "real" load that a power source will see during an actual application. The load test will detect a variety of conditions that could threaten your system (including defective equipment, design errors, and natural aging) before an actual emergency and power disruption. Periodic load testing ensures that the power source will perform safely without any downtime, which often results in financial loss, and can help to avoid any potentially dangerous working conditions.

Eagle Eye DC Load Banks are used in a variety of industries and applications where predictive maintenance is critical. Load banks are not only a cost-effective investment for testing and maintaining the DC power systems, but also help avoid excessive wear on under loaded diesel generators and prolong the life of generators, UPS, and battery systems. Load testing is necessary in mission critical facilities including data centers and hospitals, where high-reliability is completely necessary. Other industries that utilize load testing include: utilities, telecoms, offshore platforms (oil & gas), mining, aerospace, and other military and defense-related applications.

For battery discharge testing, Eagle Eye Power Solutions also offers **SMART Battery Load Banks (SLB-Series)** that wirelessly monitor the system and the individual cells during the discharge test. The SLB-Series allows the user to determine what battery cells need replacement - saving time & money.

Technical Specifications	Advantages	Applications
Technical Specifications		
Battery Types:	<u>VRLA (Valve-Regulated Lead Acid), VLA (Vented Lead Acid), NiCad (Nickle-Cadmium)</u>	
Discharge Current Range:	10 – 1200 Amps*	
Discharge Voltage Range:	10 – 525 VDC*	
Load Steps:	1 or 5 Amp Resolution (Other Resolutions Available Upon Request)	
AC Input:	110/220 VAC 50/60 Hz	
Display:	Digital Amp & Volt Meter	

Operating Environment:	0 – 40 °C (32 – 104 °F)
Dimensions:	See Catalog Page for individual model dimensions and weights.

*Range listed refers to total range of product offering, see **DC Load Bank Model List** for model-specific voltage and current ranges

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