



## Portable SMART DC Load Banks with Monitoring

Model # LB-Series



Eagle Eye's **SLB-Series SMART Load Banks** are designed for acceptance testing, discharge testing, battery capacity testing, battery maintenance, engineering examination and other testing for DC power with load. Our SLB-Series load banks are portable, durable, economic, safe, easy-to-use and come complete with our DataView software, providing the user with a complete data management and analysis program.

The SLB-Series has over 35 standard models allowing it to meet your system's requirements in a variety of industries. Standard DC Voltages (nominal) include: 12, 24, 36, 48, 80, 125, 240, 380, 480 Vdc. Current ranges are 0-600amp. Two load banks can be parallel connected for a larger discharge range. Custom solutions are also available. Supported industries include utilities, telecommunications, UPS, motive power, transportation, CATV, and many more.



Eagle Eye's SMART SLB-Series come standard with monitoring of the system during

discharge - as well as four (4) conditions to automatically stop the test. Optional **DAC package** allows the voltage of EACH CELL to be wirelessly recorded and displayed during discharge. The DAC package allows the user to evaluate the health of each cell and replace **only** the cells that require replacement - saving time and money by significantly reducing labor hours and replacement costs.

The included DataView software allows the user to create customized reports with company name, contact, testing location, battery manufacturer, model number, number of cells, and much more. DataView reports provide the test criteria, list of weakest cells, graph of weakest cells, string information, individual cell information, time stamping, discharging graphs and an area to add notes.

### The SMART DC SLB-Series Includes:

- SLB-Series Load Bank Unit
- DataView Management Software
- Carrying Case (with Small & Medium models)
- Set of 10' Red/Black Load Cables
- Set of 10' Red/Black Voltage Cables
- Data Comm Terminal
- USB-RS232 Cable
- Grounding Cable
- AC Power Cord
- 1GB USB (with Firmware, User Manual, Software)
- (2) Antenna
- SLB-Series User Manual
- **Optional** DAC Package for 1.2v/2v/6v/12v for Real-Time Wireless Monitoring Per Cell
- **Optional** DAC Package for 12v Only for Real-Time Wireless Monitoring Per Cell
- **Optional** Current Cable for Assisting Load Tests

Discharge testing is an essential practice for all critical backup battery preventative maintenance programs. Utility, UPS, Telecommunication, CATV/Broadband, Motive Power and other industries ALL utilize this practice to determine the true health of critical backup batteries. Load testing is the only form of battery testing that will determine the actual capacity of the string. Eagle Eye load banks are designed to make discharge testing convenient and easy for any application.

Load testing is a fixture in IEEE (Institute of Electrical and Electronics Engineers) (450), (1188), (1106) and NERC (North American Electric Reliability Corporation) (PRC-005-2) battery maintenance standards, and is critical for preventative maintenance across many industries. The financial risks that can occur due to plant downtime, personnel safety, and serious equipment damage are too severe to ignore load testing. Utilities have been load testing where preventative maintenance is required for NERC standard PRC-005-2. Every six calendar years it is required by PRC-005-2 to complete a capacity test of the battery bank for Vented Lead Acid (VLA) and NiCad batteries, and every three years for Valve-Regulated Lead-Acid (VRLA) batteries.

Load testing is increasingly popular in the motive power field to evaluate forklift batteries and to see how the batteries behave on a charge. Many forklift batteries go through an industry standard 6-hour discharge test. Eagle Eye's SLB-Series portable load banks make testing easy and accessible.

Technical Specifications	Advantages	Applications
<b>Technical Specifications</b>		
<b>Battery Types:</b>	VRLA (Valve-Regulated Lead Acid), VLA (Vented Lead Acid), NiCad (Nickle-Cadmium)	
<b>Cell Voltage:</b>	Standard DAC: 1.2V*, 2V, 6V, 12V Optional: Custom DAC configurations available upon request	

<b>Discharge Current Range:</b>	Single Load: 12 – 600A Parallel Load: 24 – 1200A
<b>Discharge Voltage Range:</b>	Range: 10 – 576V (Max) Voltage Steps: 12V, 24V, 36V, 48V, 80V, 125V, 240V, 380V, 480V
<b>Accuracy:</b>	Discharge Current: 1% Voltage: 0.5% – 0.8%
<b>Resolution:</b>	Discharge Current: 0.1 A or 0.5% Voltage: 0.001 V
<b>Sampling Interval:</b>	5 seconds – 1 minute
<b>Alarms:</b>	Internal Audible Alarm
<b>Data Transfer:</b>	USB, Wireless
<b>Display:</b>	Backlit LCD
<b>Operating Environment:</b>	0 – 40 °C (32 – 104 °F)
<b>Power Requirements:</b>	110/220 VAC 50/60 Hz DC (from connected batteries)
<b>Dimensions:</b>	Small: 400 x 177 x 288 mm (15.7 x 7 x 11.3 in) Medium: 520 x 202 x 355 mm (20.5 x 8 x 14 in) Large: 555 x 225 x 435 mm (22.5 x 8.9 x 17.2 in) X-Large: 603 x 400 x 740 mm (23.7 x 15.7 x 29 in) XX-Large: 762 x 406 x 737 mm (30 x 16 x 29 in)
<b>Weight:</b>	Small: 11 kg (24 lbs) Medium: 16 kg (36 lbs) Large: 21 kg (47 lbs) X-Large: 42 kg (93 lbs) XX-Large: 55 kg (122 lbs)
<b>Safety Standard:</b>	CE Market, EMC Standard

\*The standard DAC package includes the adequate amount of DAC's & cabling for testing 2V/6V/12V batteries. If testing 1.2V NiCad's batteries, please advise your sales representative to ensure you receive the additional DAC's and cabling that will be required.