

## SLB-Series DC Load Banks (10-576V, 0-1200A)



SLB-Series DC Load Bank

### Data Acquisition Case (DAC):

Eagle Eye's SLB-Series Load Banks come with an optional DAC package allowing the voltage of EACH CELL to be wirelessly monitored and recorded 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.



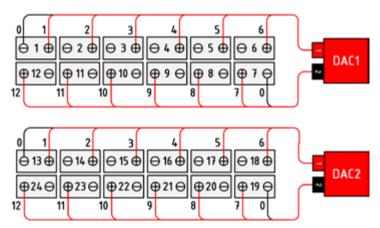
Data Acquisition Case (DAC

#### **Product Overview**

Eagle Eye's SLB-Series DC load banks are designed for user ease of use, portability, and versatility in mind. Discharge testing batteries is the only verifiable method the capacity of your batteries and the SLB delivers a programmable, constant current load for your testing needs. Whether you are load testing for capacity, performance, acceptance, NERC compliance, or other, the SLB provides an economical complete package solution. Increase employee and battery system safety with PER CELL monitoring and standard built in auto-shutdown features. To suit a variety of industries and diverse applications, Eagle Eye offers over 75 standard models to fit your exact needs at the best price.

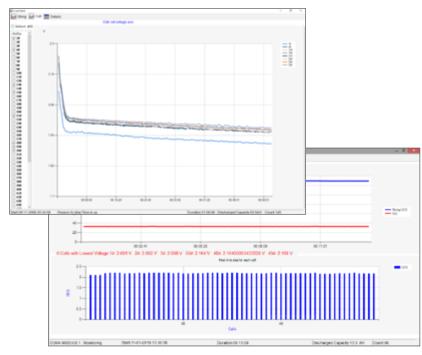
#### **Product Features**

- Safely monitor live tests remotely with wireless communication to the SLB load bank
- DataView software includes live monitoring, data recording, and report exporting to Microsoft Excel
- Discharge auto-shutdown for time duration, total string voltage, capacity, and individual cell voltage
- Parallel with another SLB-Series unit for increased discharge current capacity
- Assistant discharge feature allows for compatibility with existing non-SLB load banks
- Increase current and add individual cell monitoring to your existing equipment with SLB-Series
- Built-in circuit breakers for emergency shutdown and overload protection
- Optional: Real-time display of voltage for each cell/unit with DAC package for 1.2V, 2V, 6V, 12V cells
- Optional: Custom DAC packages available for monitoring of uncommon cell voltages and configurations



DAC Connection to 48V Battery (2V) Cells

Typical connection of DAC's to the battery cells include a test lead connected to each cell from the DAC. Each DAC can connect up to 12 cells. DAC's are expandable to any size battery system and are compatible with VRLA, VLA, NiCad, and other battery types.



Real-Time Data Logging of Cell Voltage

# **Discharge DataView Software**The included DataView software allows the

The included DataView software allows the user to monitor the discharge test in real-time or import and view tested data from the load bank with the provided USB drive. View and print a detailed histogram of each cell's voltage from any point during the discharge test at user defined intervals of 15, 30, or 60 minutes.

Recorded data exports directly to Microsoft Excel. Users are able to customize the report with company name and location as well as input battery information including battery make, cell type, rated capacity, and more. The complete test criteria, weakest cells, string information, and individual cell information are included in the report. Graphs for string, and cells are also available to view in the software.

	Technical Specifications					
Cell Voltage:	Standard DAC: 1.2V <sub>1</sub> , 2V, 6V, 12V / Optional 3.6V, 4V, and other custom DAC configurations available upon request					
Discharge Current Range:	Single Load: 12 – 600A / Parallel Load: Up to 1200A					
Discharge Voltage Range:	Range: 10 – 576V (Max) / Voltage Steps: 12V, 24V, 36V, 48V, 80V, 125V, 240V, 380V, 480V					
Accuracy:	Discharge Current: 1% / Voltage: 0.5% – 0.8%					
Resolution:	Discharge Current: 0.1 A or 0.5% / Voltage: 0.001 V					
Sampling Interval:	5 seconds – 1 minute					
Data Transfer:	USB, Wireless (466 MHz)					
Display:	Backlit LCD					
Operating Environment:	0 – 40 °C (32 – 104 °F)					
Power Requirements:	110/220 VAC 50/60 Hz / DC (from connected batteries)					
Dimensions:	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)					
Weight:	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)					

(1)The standard DAC package includes quantity of DAC's & cabling for 2V/6V/12V batteries; testing of 1.2V NiCad batteries require additional DAC & cabling. Please make sure to note testing of NiCad to your sales rep.

### Kit Includes

- · SLB-Series Load Bank
- DataView Management Software
- Carrying Case (for small & medium size models)
- Set of 3m/10ft Load Cables
- 3m/10ft Voltage Test Leads
- PC communication interface
- Ground Cable
- AC Power Cord
- USB Drive with Software/User Manual
- (2) Antenna
- Optional: Standard DAC Package
- Optional: CT Clamp for Assisted or External Load Testing
- Optional: Parallel Load Cable

### **Ordering Information**

Model No.	Description
SLB-Series*	SMART Constant Current DC Load Bank with Monitoring (12-480V, 100-600A)  *See next page for listing of model numbers  *Add "DAC" after model number for wireless monitoring per cell

# **SLB-Series Standard Models**

\*Custom models available upon request

		Maximum Discharge Current At:											
No	Model	12VDC	24VDC	28VDC	36VDC	48VDC	80VDC	125VDC	240VDC	380VDC	480VDC		
1	SLB-12/24-400	400	400										
2	SLB-24-300		300										
3	SLB-24-400	200	400										
4	SLB-24-500	250	500										
5	SLB-24/36-100	50	100	77.7	100								
6	SLB-24/36-300	150	300	233.3	300								
7	SLB-24/36/48-300	150	300	233.3	300	300							
8	SLB-24/36/48/80-200		200		200	200	200						
9	SLB-24/48-200		200			200							
10	SLB-24/48-300	150	300	175	225	300							
11	SLB-24/48-300/600	150	300	350	450	600							
12	SLB-24/48-600	300	600	350	450	600							
13	SLB-28-100	40	80	100									
14	SLB-28-150	60	120	150									
15	SLB-28-300	120	240	300									
16	SLB-28-500	200	400	500									
17	SLB-48-150					150							
18	SLB-48-300	75	150	175	225	300							
19	SLB-48-400					400							
20	SLB-48-500	125	250	290	375	500							
21	SLB-48/125-100	25	50	58	75	100	64	100					
22	SLB-48/125-200	50	100	116	150	200	128	200					
23	SLB-48/125-300	75	150	174	225	300	192	300					
24	SLB-48/240-100	25	50	58	75	100	33	52	100				
25	SLB-10-288v-200A	50	100	116	150	200	50	75	150				
26	SLB-80-100	15	30	35	45	60	100						
27	SLB-80-200	30	60	70	90	120	200						
28	SLB-125-100							100					
29	SLB-125-200	19	38	44	57	76	128	200					
30	SLB-125-300	29	57	67	86	115	192	300					
31	SLB-125-400	38	76	89	115	153	256	400					
32	SLB-125-500		96	112	144	192	320	500					
33	SLB-125/240-100	9.6	19	22	29	38	64	100	100				
34	SLB-125/240-150	14	30	33.4	43	60	96	150	150				
35	SLB-240-150	8	15	17.5	23	30	50	78	150				
36	SLB-240-200	10	20	23	30	40	66	104	200				
37	SLB-380-50									50			
38	SLB-380-100									100			
39	SLB-480-100	2.5	5	5.8	7.5	10	16.6	26	50	79	100		