

Battery Load Bank

Model: LB3980

PITE LB3980 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 LB3980 delivers a programmable, constant current load for your testing needs. Whether you are load testing for capacity, performance, acceptance, NERC compliance, or other, the LB3980 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, we offers over 75 standard models to fit your exact needs at the best price

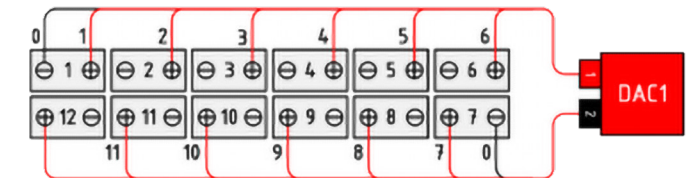
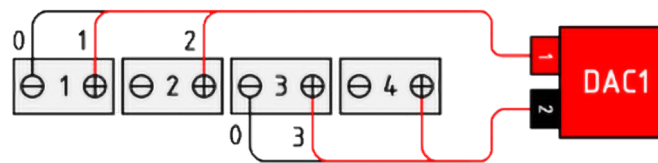


Data Acquisition Case (DAC):

PITE LB3980 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)

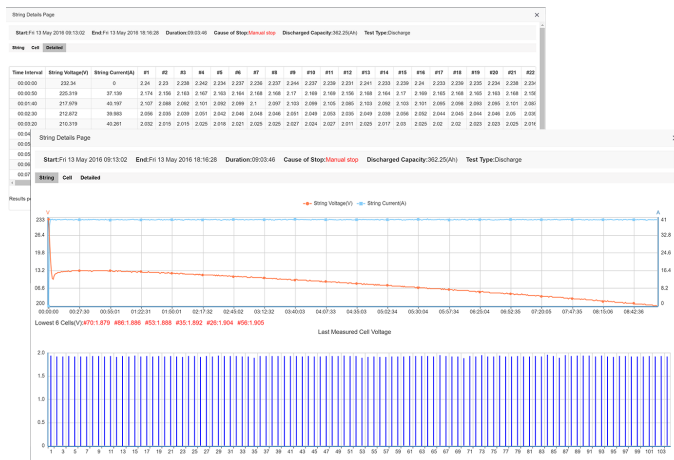


Typical connection of DAC's to the battery cells include a test lead connected to each cell from the DAC. Each DAC can connect up to 12 cells. DAC's are expandable to any size battery system and are compatible with VRLA, VLA, NiCad, and other battery types.

- Safely monitor live tests remotely with wireless communication to the LB 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 LB-Series unit for increased discharge current capacity
- Assistant discharge feature allows for compatibility with existing nonLB load banks
- Increase current and add individual cell monitoring to your existing equipment with LB-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

Technical Specifications

Cell Voltage:	Standard DAC: 2V, 6V, 12V
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:	seconds – 1 minute
Data Transfer:	USB, Wireless (466 MHz)
Display:	Backlit LCD
Operating Environment:	– 40 °C (32 – 104 °F)
Power Requirements:	110/220 VAC 50/60 Hz / DC (from connected batteries)



Data View Software

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.

LB-Series Standard Models

*Custom models available upon request

To fit our customer's exact needs from a variety of industries and diverse applications, we offers over 75 standard load bank models, each model have its own size, discharge current and voltage capability, such as LB48V-300A could discharge 48V battery pack with 0-300A constant current, LB125V-100A could discharge 125V battery pack with 0-100A constant current, you only need to chose the right model based on the discharge voltage and current capacity you need, you are also welcome to contact us anytime to get the best support and quote

LB12/24V-400A	LB28V-150A	LB125V-100A
LB24V-300A	LB28V-300A	LB125V-200A
LB24V-400A	LB28V-500A	LB125V-300A
LB24V-500A	LB48V-150A	LB125V-400A
LB24/36V-100A	LB48V-300A	LB125V-500A
LB24/36V-300A	LB48V-400A	LB125/240V-100A
LB24/36/48-300	LB48V-500A	LB125/240V-150A
LB24/36/48/80V-200A	LB48/125V-100A	LB240V-150A
LB24/48V-200A	LB48/125V-200A	LB240V-200A
LB24/48V-300A	LB48/125V-300A	LB380V-50A
LB24-300A/48V-600A	LB48/240V-100A	LB380V-100A
LB24/48V-600A	LB80V-100A	LB480V-100A
LB28V-100A	LB80V-200A	

Kit Includes

- LB3980 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

CERTIFICATE



CERTIFICATE OF CONFORMITY

No.: EBO1804058-V154

The following product has been tested by us with the listed standards and found in conformity with the European directive EMC 2014/30/EU and LVD 2014/35/EU.

Applicant: PITE TECH. INC.
Address: 4/F, Bldg A, Chiwan Industrial Park, Shaodi Rd., Chiwan, Shekou Area, Shenzhen, China
Manufacturer: PITE TECH. INC.
Address: 4/F, Bldg A, Chiwan Industrial Park, Shaodi Rd., Chiwan, Shekou Area, Shenzhen, China
EUT: LOAD BANK
Model No.: PITE 3932T, PITE 398X(X=0-9)
Test Report No.: EBO1804058-E152
EBO1804058-E153

Sufficient samples of the product have been tested and found to be in conformity with

Test Standards: EN 61326-1:2013
EN 61000-3-2:2014
EN 61000-3-3:2013
EN 61010-1:2010

The test report was carried out from submitted type samples of a product in conformity with the specification of the respective standards. The CE mark as shown below can be used, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives.


Kevin Wang
Laboratory Manager
Issue Date: May 29, 2018



Shenzhen EBO Testing Center
A506, Financial port building, Xin'an Sixth Road, 62nd District, Bao'an, Shenzhen, China.
Tel: 86-755-33126608 ebo@ebotest.com www.ebotest.com