

# LB-1000 Battery Charger / Discharger / Activator



LB-1000

## Product Overview

The LB-1000 is a complete solution for daily battery maintenance of single jars or cells up to 12V. It offers three complete solutions: battery charger, battery discharger and battery activator. Each test functionality can be used individually or comprehensively - when used comprehensively, lag-out battery will experience low-volt constant current charging and discharging of single or multi-cell batteries (1 – 100A). By activating the disabled active material of the battery electrode plate, it amends the battery malfunction caused by chemical failure and boosts the capacity of an old battery. Activation curve and certain parameters (Ex. voltage and resistance) will display on the screen as activation ends.

## Features

- Designed for testing cells of 1.2V, 2V, 6V, and 12V
- 3-in-1 functionality: charger, discharger, and activator (used separately or comprehensively)
- Accurate test results with vivid waveforms
- Designed to charge/discharge single and multi-cell batteries
- Included Data Management Software with reporting capability
- Safety circuits prevent damage to battery during testing
- Compact unit with rolling carrying case

## Technical Specifications

| Charge Current per Cell Voltage:             |   |                |                 |
|--|---|----------------|-----------------|
| 1.2V: 1 – 30A                                | 2V: 1 – 100A                              | 6V: 1 – 30A    | 12V: 1 – 30A    |
| Discharge Current per Cell Voltage:          |   |                |                 |
| 1.2V: 1 – 25A <sup>(1)</sup>                 | 2V: 1 – 100A                              | 6V: 1 – 30A    | 12V: 1 – 30A    |
| Charge & Discharge Voltage per Cell Voltage: |   |                |                 |
| 1.2V: 0.9 – 1.6V                             | 2V: 1.7 – 2.4V                            | 6V: 5.4 – 7.2V | 12V: 10.2 – 15V |
| <b>Display:</b>                              | 128 x 64 pixel color LCD                  |                |                 |
| <b>Power Requirements:</b>                   | AC 110/60Hz or AC 230/50Hz <sup>(2)</sup> |                |                 |
| <b>Operating Environment:</b>                | 0 – 50°C (32 – 122°F), 5 – 90% RH         |                |                 |
| <b>Dimensions:</b>                           | 40 x 30 x 20 cm (15.7 x 11.8 x 7.9 in)    |                |                 |
| <b>Weight:</b>                               | 10 kg (22 lbs)                            |                |                 |

(1) Available discharge current per 1.2V cells can vary depending on battery capacity.

(2) Desired input voltage must be stated at time of order.

## Kit Includes

- LB-1000 Main Unit
- Voltage Test Leads
- Positive & negative Load Cables
- AC Power Cord
- LB-1000 Analyzing Software
- Carrying Case
- User Manual

## Ordering Information

| No. | Model # | Description  |
|-----|---------|--|
| 1   | LB-1000 | Battery Charger, Discharger, Activator for 1.2V, 2V, 6V, & 12V Cells |