

REVOLT TECHNIQUES
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PRODUCT SPECIFICATION SHEET

Product Name: Battery Multilayer; RLBS-BVLT

Model Number: RVLT RB100- LDV SPEC

Product Code: RB100-LDM013

Company: REVOLT TECHNIQUES

1. Product Overview

This is a high-performance, ruggedized 12V lithium-based battery system engineered for light-duty vehicles (LDVs) with diesel engines up to 3.0L. Designed for extended standby durations and harsh operating environments, the unit delivers exceptional reliability where traditional lead-acid batteries often fail after multiple deep discharges. Unlike conventional batteries that degrade significantly after 2–3 complete cycles, this unit is rated for over 800 full-depth charge/discharge cycles, offering a lifecycle up to 400 times greater than standard alternatives.

Its superior energy density enables a 140% increase in usable capacity relative to conventional battery technologies of similar physical dimensions. This provides greater reserve power for auxiliary systems and electronic accessories, significantly improving vehicle uptime and operational efficiency.

2. Key Features

- 12V – 200Ah Phosphate technology battery
- 1500A CCA
- Battery management system (BMS)
- DC-DC smart power transfer algorithm
- Passive convection cooling (no fan)
- High temperature resistant material up to 220 degrees
- Flame-retardant ABS enclosure (3D printed)
- IP66 water and dust resistance
- Temperature monitoring with color-coded display
- Bolted Copper Busbar for terminal Landing
- Control modules
- Sleek Design
- (optional tracker unit install if requested)



3. Technical Specifications

Parameter	Specification
Battery Type	Phosphate Technology
Capacity	200Ah
Nominal Voltage	12.8V
Max Discharge Current	200AH (10Secs)
Charging Input	13.8V DC from alternator
Enclosure Material	UV-stabilized ABS, 3D printed, Stainless Steel enclosure
Cooling	Passive Convection
Operating Temperature	-20°C to +100°C
Ingress Protection	IP66
Monitoring Interface	Wi-Fi app connecting, Web interface
Theft Alert System	Optional Tracker on client request extra charge

4. Dimensions & Weight

Parameter	Value
Dimensions	280mm x 180mm x 250 mm
Weight	18kg
Mounting	Bolt-through or magnetic base

6. Included Accessories

- 2 x DC Busbars
- 1 x Quick Start Guide
- Mounting Screws

7. Usage Scenarios

- LDVs

8. Notes & Warranty

- 1-year limited warranty on Unit(full replacement)
- Warranty void if casing is tampered
- • Warranty will be void if damage is caused by a short circuit or by overloading the unit on three or more occasions, as recorded in the log