Eurovolta
WORLD OF INNOVATIONS

EUROVOLTA INNOVATIONS PRIVATE LIMITED

LFP BATTERY PACK 60V 100Ah

Company Overview

Eurovolta innovation private LIMITED. (EIPL) is a leading manufacturer of **high-quality and high-performance** Lithium-ion battery packs in India. We produce advanced Lithium-ion batteries at our state-of-the-art manufacturing facility located in Gurgaon. Our core focus is on delivering **customized solutions** designed specifically for **Indian operating conditions**, as well as meeting the unique requirements of OEMs, ODMs, and government projects.

All our Lithium-ion battery series are **independently developed** by EIPL under the Eurovolta brand, ensuring **innovation, reliability, and superior performance**.

Model: EIPL60100RL

Manufacturer: Eurovolta innovation private LIMITED.(EIPL)

Brand: Eurovolta

Application: Electric Vehicle (EV) Systems

Key Product Features

- **High Capacity** — 60V, 100Ah optimized for EV applications
- **Safe LFP Chemistry** — High thermal stability and intrinsic safety
- **Long Cycle Life** — 2500 cycles at 80% DoD, retaining ≥80% of initial capacity (EoL), tested at 25°C, 0.5C/0.5C
- **Smart BMS Protection** — Comprehensive protection from overvoltage, undervoltage, overcurrent, short circuit, and temperature extremes
- **Wide Temperature Range** — Reliable operation in harsh environmental conditions
- **Rugged Enclosure** — Durable metal casing construction
- **Smart Communication** — CAN (RS-485 & Bluetooth Optional)
- **Software Integration**: Computer Software Support for Flexible Parameter Adjustment of Protection Board

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MailUs: business@eurovolta.in **ContactUs:**+91 9211336285
Location : Gurgaon

Technical Specifications

General Specifications

Parameter	Value
Manufacturer	EIPL-Eurovolta
Model Number	EIPL60100RL
Rated Voltage	64 V
Rated Capacity	100 Ah
Rated Energy	6.4 kWh
Chemistry	Lithium Iron Phosphate (LFP)

Table1:GeneralProduct Specifications

Electrical Characteristics

Parameter	Value
Nominal Voltage	64 V
Charging Cut-Off Voltage	72 V ± 0.5 V
Full Charge Voltage	73 V ± 0.5 V
Discharging Cut-Off Voltage	50 V ± 0.5 V
Charging Mode	Constant Current / Constant Voltage (CC/CV)
Standard Charging Current	0.5C
Standard Discharge Current	0.5C
Cycle Life	2500 cycles at 0.5C, 25°C, 80% DOD

Table 2: Electrical Performance Parameters

Mechanical Characteristics

Parameter	Value
Case Type	Metal Case
Dimensions (L × W × H)	559 × 373 × 219 mm (±1mm) 55
Weight	kg (Approx.)
Charging Connector	Anderson SBX75X
Discharging Connector	Anderson SBX75X
Protection Rating	Shock and vibration resistant

Table 3: Mechanical Design Specifications

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Environmental & Operating Conditions

Parameter	Value
Charging Temperature Range	0°C to 55°C
Discharging Temperature Range	0°C to 60°C
Relative Humidity	60% ± 25%
Storage Temperature	0°C to 35°C (recommended)

Table 4: Environmental Operating Parameters

Communication Interface

Interface Type	Protocol
Communication	CAN (RS-485 & Bluetooth Optional)
BMS Monitoring	Real-time voltage, current, temperature, SOC

Table 5: Communication Specifications

Battery Management System (BMS) Protection Features

The integrated Smart BMS provides comprehensive **multi-layer protection**:

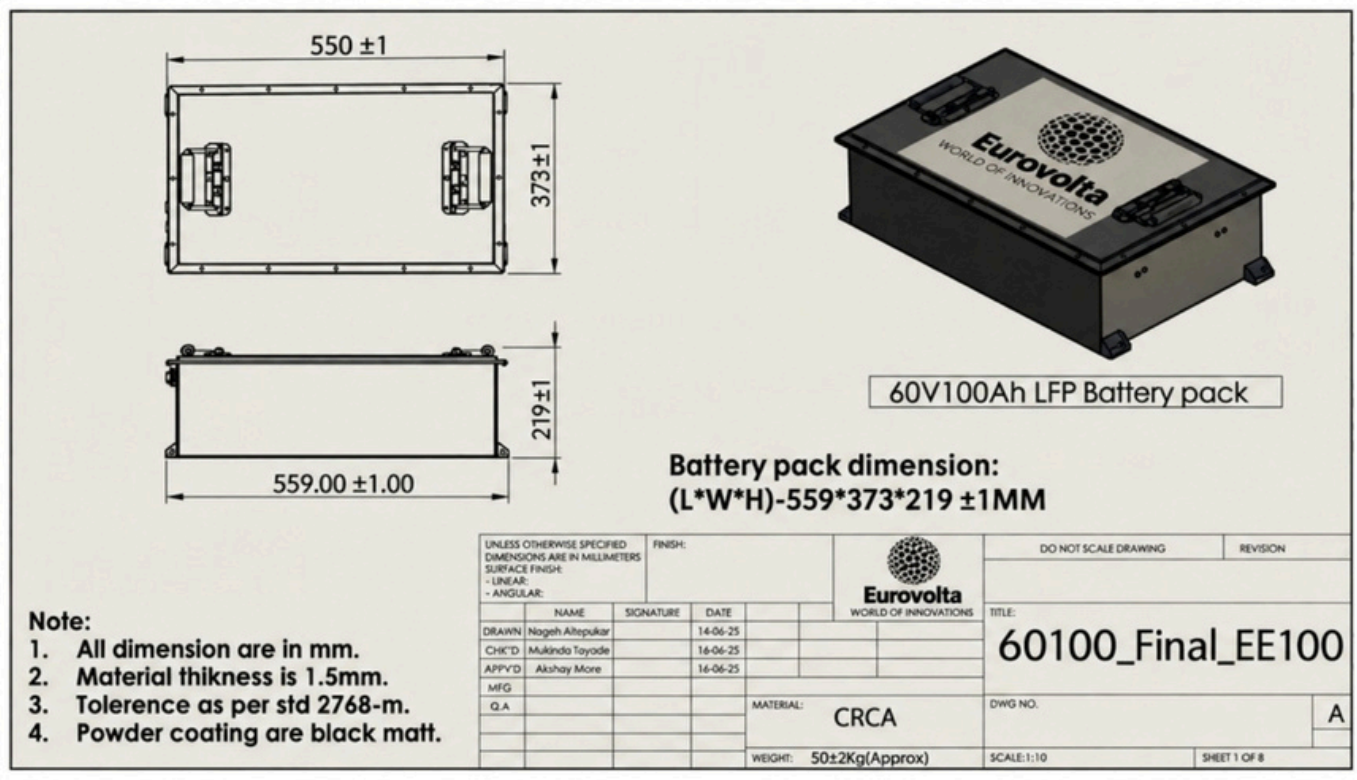
- Overvoltage Protection (OVP)
- Undervoltage Protection (UVP)
- Overcurrent Protection (OCP)
- Short Circuit Protection (SCP)
- Over-Temperature Protection (OTP)
- Under-Temperature Protection (UTP)
- Cell balancing functionality
- State of Charge (SOC) monitoring
- State of Health (SOH) estimation

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Dimensional Drawing

Product Dimensions: 559 mm × 373 mm × 219 mm (± 1 mm)



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Safety & Compliance

- **LFP chemistry** provides inherent thermal stability and safety
- Designed for **Indian operating conditions**
- **Rugged construction** for harsh environmental conditions
- **Multiple layers of BMS protection**

Manufactured at **certified facility in Gurgaon**

Warranty & Support

For warranty information, technical support, and customization requirements, please contact:

Eurovolta innovation private LIMITED.

Manufacturing Facility: 2nd Floor, Minarch Tower, Plot no 4, Sector 44, Gurgaon 122001, Haryana, India

Brand: Eurovolta
Email: business@eurovolta.in

Notes

- All specifications are measured at 25°C unless otherwise stated
- Performance characteristics may vary based on operating conditions
- Customization options available for OEM/ODM requirements

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