EUROVOLTA INNOVATIONS PRIVATE LIMITED

LFP EV CHARGER 51V 25A

Product Specification Sheet

Company Overview

Eurovolta innovation private LIMITED. (EIPL) is a leading manufacturer of **high-quality and high-performance Lithium-ion battery packs & chargers** in India. We produce advanced Lithium-ion batteries & chargers 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**.

EV Battery Chargers are **SMPS type battery charger** optimized for charging Lithium Battery Packs (**LiFePo4 and NMC**) or Lead Acid Batteries for EV application.

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

Model: EIPLC5125

Manufacturer: Eurovolta innovation private LIMITED.(EIPL)

Brand: Eurovolta

Application: Electric Vehicle (Three-Wheeler EV)

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Location: Gurgaon

Contact Us: +91 9211336285

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Product Specifications (1/2)

Parameter	Value
Brand	Eurovolta
Part Number	EIPLC5125
Usage / Application	Electric Rickshaw (Three-Wheeler EV)
Battery Type	Lithium Ion, LiFePO4 or NCM
Nominal Voltage	51V
Charge Current	25A up to 55V, 12A from 55V to 57V, 12A to 0A from 57V to upper cut off voltage.
Warranty	1 Year
Charging Technique	SMPS
Charging Profile	Li-ion: Three Stages – CC, CV, Charge Termination with current Threshold and Timer
Mains Operating Range	120VAC +/-10V – 280VAC +/-10V, 40Hz to 60Hz
Input Power Factor	Active PF correction >0.95
LED Indicators	5 Green LEDs shows charging profile from 20% to 100%
Efficiency	90% Typical at nominal input
Audio Indications (Buzzer)	Battery Charge Completion – Intermittent beep up to 5 mins

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Product Specifications (2/2)

Parameter	Value
Reverse Battery Polarity	Electronically Protected – Charger will not start unless Battery is connected in correct polarity.
Mains Over Current Protection	By Fuse, in case of abnormal condition
Pin Type	SBS75X, 75A connector
Color	Oxford Blue / Grey
Dimensions (L×W×H) mm	278 × 164 × 91 ± 1mm
Material	Stainless Steel
Country of Origin	Made in India
Weight	2kg approx.
Features	Suitable for battery minimum 50Ah or more battery
Cooling System	Forced Air Cooled
Operating Temperature Range	0 to 50°C
Thermal Protection	Electronically protected with internal temperature sensor
Humidity	95% RH Non-Condensing
Enclosure	Powder coated sheet metal cabinet

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Caution

- Please use compatible battery for charging.
- Do not cover the charger while charging.
- Do not place the charger in wet areas.
- Switch off the charger while going to switch on and off.
- Green light shows charger is on or load is connected, light shows charging battery.
- Warranty will not be covered when the box is opened or the charger is physically damaged.
- Switch off the charger on completion of full charge.

Product Protections

- Over current protection.
- Over voltage protection.
- Reverse polarity protection.
- Short circuit protection.
- Fuse Protection.



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Deep Discharge Charging Capability: YES (1.825V per cell) — Long Battery Back-up with maximum battery life.

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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

- Performance characteristics may vary based on operating conditions.
- Customization options available for OEM/ODM requirements.

Confidential: This document contains proprietary information of EIPL

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