

BESS

(Battery Energy Storage Systems)



Electrodrive Powertrain Solutions Pvt. Ltd., or Electra EV, is India's leading provider of Electric Vehicle powertrain and Battery Energy Storage Systems dedicated to accelerating the future of sustainable mobility. As India's first independent, pure-play EV powertrain company, we collaborate with select global companies in targeted markets to deliver high-value EV and energy solutions through our innovative products and services. Our mission is to shape the future of electric mobility and energy storage by developing, adapting, and integrating state-of-the-art electric powertrain and BESS technologies for demanding applications, ensuring stringent compliance with product safety and regulatory standards.

Expert Solutions for Residential, C&I and BESS Markets – India & Global

ESS Category	Residential	Commercial & Industrial	BESS Utility
Application Countries	India and Africa	India	India
Market KWh Requirement	5KWh – 10KWh	50KWh – 1MWh	1MWh – 100MWh
Product Offering	Rack and Wall Mountable Batteries (up to 50KWh)	Stackable Batteries (up to 1MWh)	Containerized Batteries (5MWh per 20 ft. Container)
USP	Sleek Design, 19" Rack Mountable	Stackable, upto 8 Modules per Rack	Intelligent Liquid Cooling
Battery Capacity	Up to 5 KWh (single Battery)	Up to 500 KWh	5MWh per 20 ft. Container



Expert Solutions for Residential, C&I and BESS Utilities Market– India & Global

Battery Packs – State-of-the-art Assembly line

- ⦿ Automated Cell Assembly Line
- ⦿ Laser Welding Facility
- ⦿ High Power Density (Small Size, More Power)
- ⦿ Multiple Points of Testing (Cell to Pack)



Engineering

- ⦿ Dynamic Design and Development team
- ⦿ In-house BMS for Faster TAT and Support
- ⦿ Experienced team in Battery Pack Design and Development. In House CAE, CFD and Design Validation Plan (DVP) Capabilities
- ⦿ Presence in India and China

Certifications

- ⦿ All Certifications Available Making our Energy Storage Products Acceptable in India, Government Projects and Overseas
- ⦿ UN38.3, UL9540A and UL1973
- ⦿ EN62477
- ⦿ IEC62619

Competitive Edge

Residential Segment

- ⦿ Elegant Wall Mountable and Sleekly Designed 19" Rack Mountable 3U Height, Industry's Best-in-class Batteries
- ⦿ Noise Level is Less than 50 dB
- ⦿ BMS Tailored for High End Residential Requirements

C&I Segment

- ⦿ Experienced Design Team for Customized Requirements in China & India
- ⦿ In-house BMS for High Voltage Requirements
- ⦿ Remote Trouble-shooting
- ⦿ Priority Logic of Solar-Grid-Battery as per Client's Preference





ELECTRA EV™

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