MOTOR CONTROLLERS

L5 Vehicle Segment



Designed and developed in India for high-performance electric vehicles. It offer advanced features and precise control over the motor's speed and power, resulting in smooth and efficient ride together with ingress, thermal and current related protections.

This Motor Controller feature high-power rating, allowing for maximum output to the motor. The current limit of the controller is also customizable, ensuring that the motor operates within safe limits.

In addition, our L5 Motor Controllers come with advanced features such as regenerative braking, temperature / voltage monitoring, and real-time data feedback and diagnostics. The controller is programmable thus allowing for optimal customization and performance.



MOTOR CONTROLLERS

L5 VEHICLE SEGMENT

Parameter	Values
Parameter Operating voltage Nominal Motor type Motor position Feedback Motor Back emf Type Maximum Electrical Frequency Peak Current Continuous 60 min current Efficiency Cooling Type Operating Temperature Dimension (LxWxH) Weight No. of Drive modes Supported	- 30 to 60V - 51.2V - PMSM/BLDC/IM - Hall / Analog Sin-cos/ UVW - FOC with Field Weakening - 500Hz - 350Arms (2min boost) - 180Arms - > 95 % - Force/FAN Cooled 5 to 55 °C - 264x218x85 mm - <2.8 kg
CAN for vehicle integration(CAN 2.0B) — Functional safety(ISO 26262)	— AEC — Yes

