

HUB MOTOR CONTROLLER



Designed and developed in India for the electric 2-wheeler vehicle segment, offers technology laden features, highly scalable architecture, flexibility in configuration together with ingress, thermal and current related protections.

Our hub motor controller features a powerful microcontroller, advanced power electronics and intelligent control algorithms for precise and reliable motor controls. With this controller, vehicles can achieve optimal performance, speed and power thereby boosting battery life of the vehicle.

In addition, our controller comes with a range of features, including regenerative braking, temperature / voltage monitoring and compatibility with a variety of hub motor and battery systems.



HUB MOTOR CONTROLLER

Parameter	Specifications
• Battery voltage	48 V / 60 V / 72 V
• Motor type	HUB Motor with HALL sensor feedback
• Brakes and wheel	Disc / Drum Brake Compatible 10" / 12" wheel variants
• Motor Drive	Vector sine control / FOC
• EMI / EMC	RI ,RE adherence AIS 004-Part3
• Peak Current	120 A rms
• Rated current	25-45 A rms
• Efficiency	> 90% ; Regen CAT A / CAT B
• Ingress Protection	IP65
• Operating Temperature	- 5 to 55 °C
• Dimension (LxWxH)	126 x 194 x 72*
• Weight	<1 kg*
• Control functions	Control Methods : Speed Control Power Modes : Boost / High / Low
• Component qualification	AEC/ Non-AEC component flexibility
• Serial communications	CAN 2.0B
• Safety	Charging Protection OV / UV Protection Over current Protection Dielectric Strength & Voltage withstand Stall protection/locked rotor High Pedal Disable