

BLDC MOTOR CONTROLLER

— FOR —

e-RICKSHAW



- Made in India
- Affordable
- Efficient
- Ecofriendly

Designed & Developed by : **DELHI TECHNOLOGICAL UNIVERSITY**

In Collaboration with : **LITHION POWER PVT. LTD.**

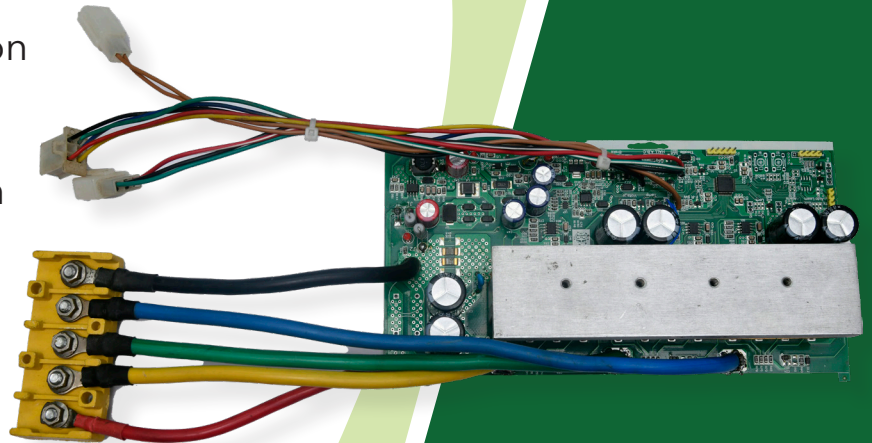
Funded and Supported by **MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY**

KEY FEATURES

- 3-half bridge Inverter topology with N-Channel Power MOSFETs
- Motor control based on 6-step commutation algorithm with rotor position feedback
- CAN, UART and Bluetooth communication capabilities
- Test Points to monitor key motor parameters
- Fault Diagnostics capability
- Compatibility with 5V Throttle

PROTECTION FEATURES

- Reverse Polarity Protection
- Over Voltage Protection
- Under Voltage Protection
- Short Circuit Protection
- Over Current Protection
- Thermal Protections



Controller Type	: Trapezoidal
Input Voltage Range	: 42 - 56V DC
Nominal Voltage	: 48V DC
Nominal Power	: 1kW
Peak Power	: 2.8kW
Nominal Continuous Current	: 20A
Peak Current	: 60A
Controller Dimensions	: 225×120×75mm (l×b×h)