

BLDC Motor Controller



Programmable BLDC Motor Controller provides high efficiency, smooth and low noise control of BLDC motor. BLDC Motor Controller is having high power Mosfets to drive the motor using PWM to achieve Efficiency >85% in most cases. Powerful Micro controller brings in comprehensive & precise control of BLDC motor.

SALIENT FEATURES:

- Compatible with 650W, 850W,1000W,1200W,1500W motors.
- Over temperature protection. Power limit when over temperature is sensed.
- Programmable Current limit, torque control and speed control.
- Intelligence with a powerful micro controller.
- Synchronous rectification, ultra low drop, fast PWM to achieve very high efficiency.
- Low EMC.
- Configurable 60-degree or 120-degree hall position sensor.
- Supports any number of poles.
- Three modes of protection: brake switch, release throttle, 0-5V signals protections.

THE COMPANY :

- Company with more than 18 years of experience in switching power supplies.
- Manufactured in a state-of-the-art ISO - 9001 Facility.
- Highly qualified & experienced R&D team.

SPECIFICATIONS

Model Number	- C6KK480400
Motor Type	- BLDC Motor
Maximum Rated Power	- 48V/2000W
No.of MOSFETS	- 24 MOSFETS
Voltage Range	- 42V-56V DC
Current Limiting	- Programable - upto 50A
Low Voltage Protection	- 42V±1.0V
Motor Angle	- 60° / 120° Selection
Break	- Active High / Active Low
Speed Limit	- Limits Speed up to - 25Km/h
Speedo Metre	- Analog / Digital
Operating Temperature	- 0°C to 50°C

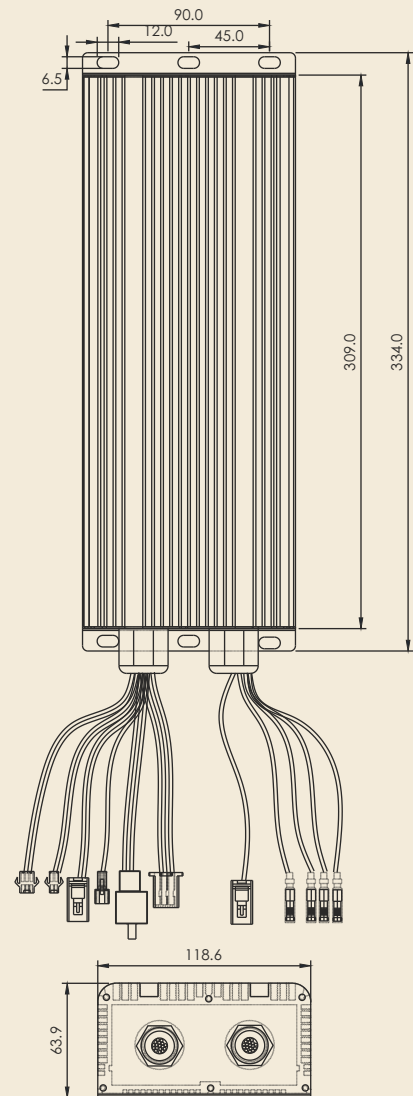
CONTROLLER WIRING DETAILS

Power Wire	- Red(+),Black(-),Orange(ignition)
Motor Phase	- Green, Yellow, Blue
Throttle	- Red, Black, Green
Hall Sensor	- Red, Black, Green, Yellow, Blue
Brake Wire	- Violet
Forward / Reverse	- Gray

MECHANICAL

Enclosure	- Aluminum
Dimension	- W=119mm, L=334mm, H=64mm
Weight	- 2.4 Kgs.
Standard	- IP65 level

Note: Cables length, color and rating as per customer requirements.



All dimensions are in mm

AXIOM EV PRODUCTS PVT. LTD.

Plot No.: 188/A,1 & 2nd Floor,Phase II,IDA,Cherlapally,
Hyderabad - 500051,Telangana,INDIA.
Ph : +91-40-27260555, 9959055228
Email: customersupport@axiomevproducts.com

* Specifications may change without prior notice.