

# Eagle 50 – Dual Motor Drive

## Brushless Permanent Magnet Motor Drive



The Eagle 50 is an innovative dual motor drive that provides up to 50 Amps per motor. The Eagle platform is ideal for robotics applications that require precise motion control and positional accuracy, such as AGVs and other robots utilizing a dual motor system.

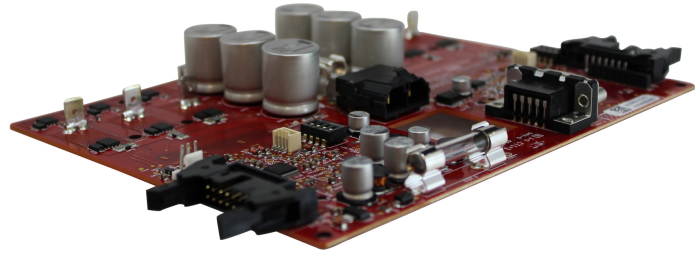
**Input Voltage:** 35 Vdc – 60 Vdc

**Continuous Current:** 40 Amps (per motor)

**Peak Current:** Up to 50 Amps (per motor)

**Motor Speed:** Up to 10,000 rpm

**Warranty:** One year limited warranty



### Motor Options

- Sinusoidal commutation
- Designed for Brushless Permanent Magnet motors
- Compatible with 2,4,6,8,10 or 14 pole motors
- Hall effect sensors
- Full quadrature encoder support

### Communication Interfaces

- CANopen
- 14 pin Molex connector
- Output for electronic brakes

### Environment Ratings

- Storage: -40°C to 125°C
- Operating temperature: -30°C to 55°C
- Withstands 95% relative humidity (non-condensing)

### Agency Approvals

- IEC 61800-5-1
- UL 61800-5-1
- UL 60730-1
- CSA C22.2 NO.14-13

### Operating Modes

- Open loop speed
- Closed loop speed
- Closed loop current
- Closed loop position

### Safety Features

- Safe torque off (STO)
- Safe speed
- Safe stop compliant
- Internal thermal protection
- External thermocouple connection

### Dimensions and Weight

- Width: 172 mm
- Length: 140 mm
- Height: 60 mm
- Weight: 320 g (11.28 oz) [.71 lb]

### Programming and Indicators

- Power indicator - red
- Status indicator - red



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