

GreenDrive 2.0

Brushless Permanent Magnet Motor Drive

Nidec
MOTION CONTROL

As part of Nidec's diverse lineup of Ultra Low Voltage drives, the GreenDrive 2.0 features an optimized layout that easily integrates with the Nidec HRW 3.3 motor. The GreenDrive 2.0 can be utilized to achieve accurate and precise motion control in a wide variety of applications.

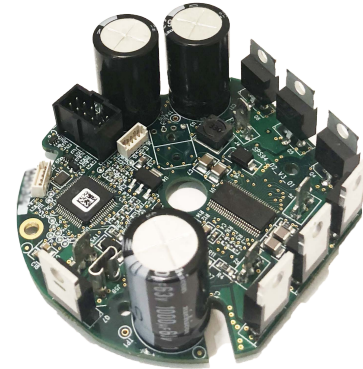
Input Voltage: 10 Vdc – 55 Vdc

Continuous Current: 12 Amps

Peak Current: Up to 25 Amps

Motor Speed: Up to 10,000 rpm

Warranty: One year limited warranty



Motor Options

- Trapezoidal or sinusoidal commutation
- Designed for Brushless Permanent Magnet motors
- Compatible with 6, 8, or 10 pole motors
- Hall effect sensors
- Incremental A/B encoder
- Digital output for brake
- Digital output for dynamic braking/chopper resistor support

Communication Interfaces and I/O

- CANopen - DS301 and DS402
- 0-5V
- PWM
- Digital I/O: 3 inputs/2 outputs (5V non-isolated)
- Analog I/O: 1 single ended input (0-5V)
- 5V supply output: 150mA

Environment Ratings

- Storage: -40°C to 85°C
- Operating temperature: -30°C to 50°C
- Withstands 95% relative humidity (non-condensing)

Agency Approvals

- IEC/UL 61800-5-1

Safety Features

- Over current protection
- Under/over voltage protection
- Reverse polarity protection
- Internal thermal protection
- External NTC connection
- i²t protection
- Over speed protection
- Encoder fault protection

Operating Modes

- Homing
- Profile velocity
- Velocity
- Profile position
- Position
- Torque

Dimensions and Weight

- Diameter: 79.75 mm
- Height: 38 mm
- Weight: 68 g (2.4 oz) [.15 lb]

Programming

- Field programmable firmware
- Nidec Motion Control Studio - setup and commission tool

Nidec
MOTION CONTROL

8050 W. Florissant Avenue | St. Louis, MO 63136
Toll Free Number: 833-266-4332