

GreenDrive 2.0

Brushless Permanent Magnet Motor Drive



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 – 60 Vdc

Continuous Current: 15 Amps

Peak Current: Up to 30 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 encoder

Operating Modes

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

Communication Interfaces

- CANopen
- 0-5V
- PWM

Safety Features

- Safe speed
- Reverse polarity protection
- Internal thermal protection
- External thermocouple connection

Environment Ratings

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

Dimensions and Weight

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

Agency Approvals

- UL 60730-1
- CSA-E60730
- IEC 60730-1

Programming

- Field programmable
- Programmable input/output



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