

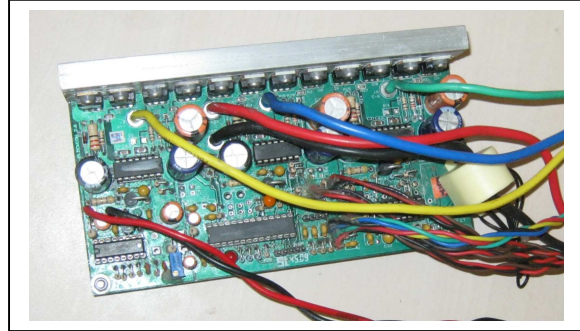


WG-BLDCMCON-1.0

WG- BLDCMCON-1.0 is a high efficiency BLDC motor controller. It is equipped with a state-of-art microcontroller, which governs the electronic commutation for the brushless motor and the speed control.

Features:

- Powerful automotive microcontroller.
- Fast PWM to achieve very high efficiency.
- Suitable for 3 Phase BLDC motors with Hall sensor feedbacks
- Voltage monitoring on power supply.
- Current sense on all 3 motor phases.
- Current control loop.
- Over current protection.
- Low voltage protection.
- Low EMC.
- Battery protection: Shutdown at low battery voltage.
- Rugged aluminum housing for maximum heat dissipation and harsh environment.
- Rugged high current terminals, and rugged connectors
- Up to 1600 electric RPM standard. (Electric RPM = mechanical RPM * motor pole pairs).
- Easy installation:
- Easy to use.



Applications:

- Electric bicycles, motorcycles or scooters
- Fork lifts

Technical specifications:

- Frequency of Operation: 20KHz.
- 5V Hall Sensor Supply Current: 30mA.
- Controller supply voltage range: 4.75V to 5.5V.
- Quiescent current: 150mA.
- Battery voltage range, Max-operating range: 36V to 53V.
- Analog Brake and Throttle Input: 0-5 Volts. Can use 3-wire pot to produce 0-5V signal.
- Full Power Operating Temperature Range: 0°C to 50°C (controller case temperature).
- Dimensions: 175mm x 100 mm x 44 mm
- Weight: 685 gms.

For further details contact:

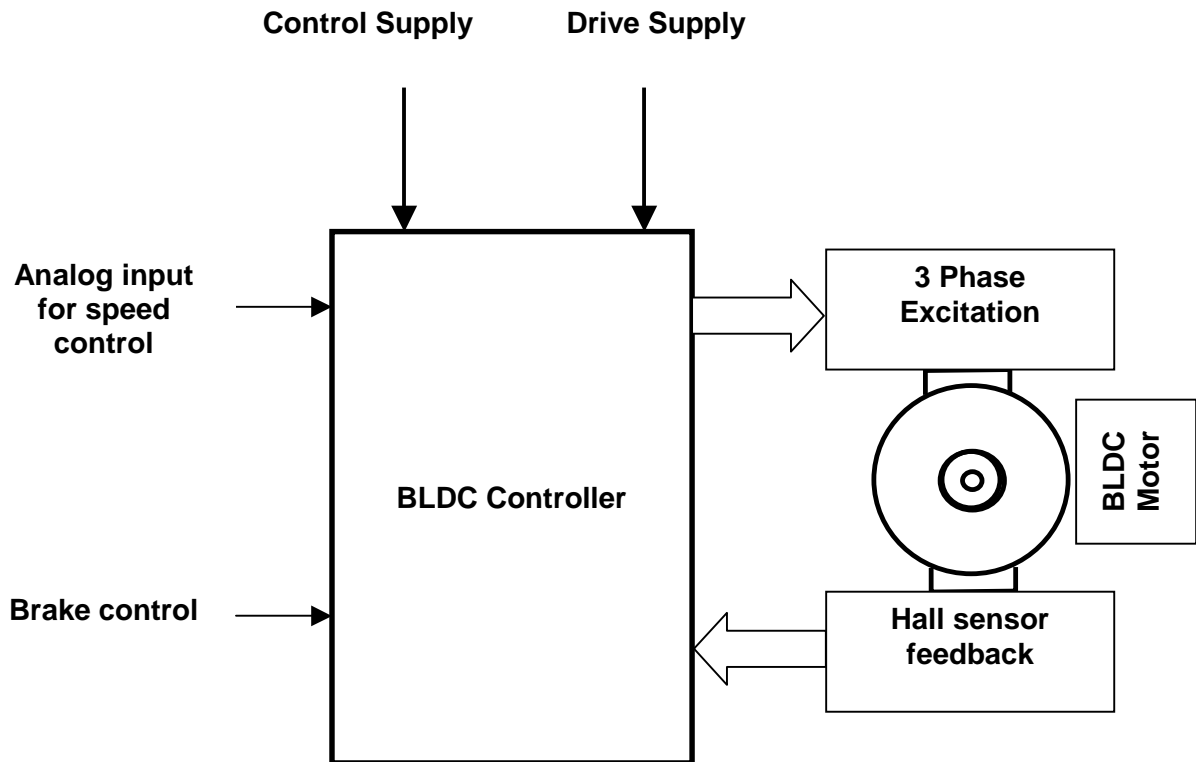
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Block diagram of WG-BLDCMCON-1.0



Performance

