



Brushed DC motor controller BMC4810

Robust, reliable performance

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Key Features

- RS485
- Built-in high-power drivers for brushed DC motor at up to 60A each
- Support for temperature sensors through analog inputs
- Full forward & reverse motor control. Four quadrant operation. Supports regeneration
- Operates from a single 48V power source
- Current limit up to 60A for protecting controller, motor, wiring and battery
- Dedicated connector for quadrature encoders
- Extra Analog and Digital inputs for use as Deadman Switch, Limit Switch, Emergency stop or user inputs
- Open loop or closed loop speed control operation
- Closed loop position control with encoder, analog or pulse/ frequency feedback
- Torque mode
- PID control loop
- Built-in Current, Voltage and Temperature sensors
- Overvoltage and Undervoltage protection
- Watchdog for automatic motor shutdown in case of command loss
- Overtemperature protection
- Diagnostic LED
- Efficient heat sinking. Operates without a fan.
- Dustproof and weather resistant. IP40 rating
- 120mm x 155mm x 60mm
- -40° to +85° C operating environment
- 300g
- Easy configuration, tuning and monitor using provided PC utility

Applications:

- Motion Simulators
- XYZ Positioning Platforms
- Robotics
- Machine Tools
- Industrial Automation Systems
- Animatronic Systems

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