

QC7000 Series



DC Motor Controls

DESCRIPTION

The Quantum QC7000 Series microprocessor based motor controls are designed to provide smooth, silent, efficient and cost effective speed, torque and braking control for high current (50A – 400A) operation in 12 to 48VDC applications.

APPLICATION

Quantum's QC7000 Series motor speed controllers are ideal for a variety of electric vehicle applications, including industrial vehicles, personnel carriers, material handling vehicles, golf carts and other electric vehicle applications.

Suitable for permanent magnet DC motors or universal motors.

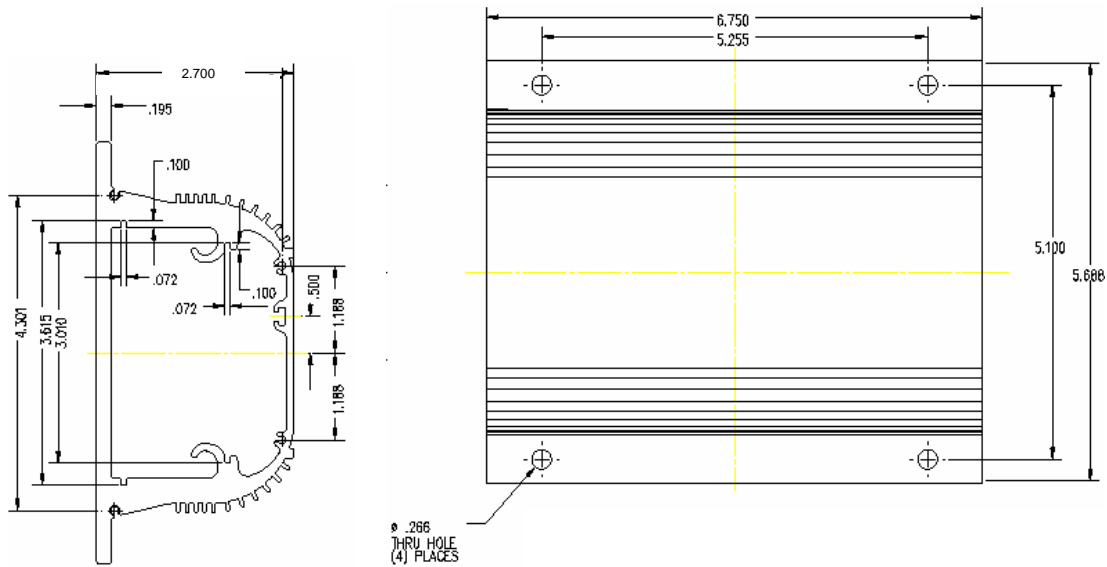
FEATURES

- Intelligent microprocessor based control.
- Functionality customizable to OEM requirements.
- High frequency PWM switching and ultra low voltage drops for silent and efficient operation, consistent low-to-high end torque and speed control, and extended battery and motor life.
- Thermal monitor and current limit protect the controller, motor and battery.
- Drive status and fault code data accessible via optional CAN bus communication.
- Environmentally protected to IP65 by rugged, anodized extruded aluminum housing.
- Standard foot print and push-on type connectors ensure easy installation.
- "Plug-and-Play"...
No adjustments are required.
- Open throttle detection disables controller if throttle wires become open.
- Dead throttle detection prevents controller operation if key is switched on while throttle is applied.
- Optional plug braking diode internal to controller.

Series 7000 Model Chart

Model	Voltage (Volts)	Maximum Current (Amps)	2 Min Rating (Amps)	5 Min Rating (Amps)	1 Hour Rating (Amps)	Voltage Drop (@ 100A)	Undervolt Cutback
7000-200	8 - 48	500	500	400	200	.25 @ 100A	7V
7000-150	8 - 48	350	350	300	150	.35 @ 100A	7V
7000-100	8 - 48	250	250	200	100	.45 @ 100A	7V
7000-075	8 - 48	200	200	150	75	.25 @ 100A	7V
7000-050	8 - 48	150	150	100	50	.35 @ 100A	7V

Dimensions



Typical Wiring Diagram

