

## QC6210



### High Performance Four Quadrant Servo Amplifier

#### DESCRIPTION

The Quantum Controls Model QC6210 is an economical, open frame, high performance four quadrant amplifier for use in velocity and position control applications requiring high acceleration and stable performance. The QC6210 operates from 10VDC to 36VDC or 7VAC TO 24VAC at 30A.

#### APPLICATION

Quantum's QC6210 is the ideal choice for a variety of speed and positioning control applications including industrial vehicles, conveyors, machine tools, web guidance, packaging machines, assembly machines and other equipment that requires cost effective bi-directional speed, torque or position control.

#### FEATURES

- High performance analog control.
- Fast, stable response
- Functionality customizable to OEM requirements.
- High frequency PWM switching for silent and efficient operation, consistent low-to-high end torque and speed control, and extended motor life.
- Adjustable current limit protect the controller, motor and battery/power supply.
- DC tachometer or analog position feedback.
- On board or remote speed control.
- Loop gain adjustment for high speed, stable operation
- Adjustable input command to ramp generator only.
- Independently adjustable ramp times for each direction of acceleration.
- Analog position control Forward and reverse direction of rotation and drive inhibit.
- Operating modes: Motor voltage, motor/ generator, IR comp, current, or positioning.
- Operating Voltage: 7 to 24 VAC or 10 to 36 VDC; 50 to 400 Hertz line voltages.
- Small size.
- Low form factor.

