

Golf Car Motor Control SXDC GC from Kinetek



Kinetek Controls®

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The **Kinetek Controls SXDC GC** (Separately eXcited DC) **Motor Controller** is designed for use in 36V or 48V, 300 Amp vehicles and various motor-driven equipment. The SXDC GC has programmable features and is simple to install, easy to use, inexpensive and reliable. The unit is potted for water-resistant operation and thermal efficiency.

The SXDC GC controller is fully programmable and user-configurable through serial connection to any Windows compatible PC. The controller provides silent, smooth, efficient motor control and is fully potted for superior vibration resistance and harsh environment survive-ability.

Regenerative braking down to base speed, potentiometer or inductive throttle input, on-board diagnostics, and overvoltage/undervoltage protection are standard features. Surface-mount, MOSFET designs allow the SXDC GC to provide optimum power density.



MODEL	Operating Voltage
KCCA002	36V
KCCA004	48V

Features

- Solid state MOSFET technology
- Surface mount design ensures reliability
- Fully potted for water-resistant operation
- Audible and visual diagnostics
- 0-5K potentiometer and inductive throttle support
- Constant temperature monitoring
- Full-bridge field and quarter-bridge armature power MOSFET design
- Armature and Field Current measurement for reliable operation and motor protection
- Regenerative braking, providing longer operation on a single battery charge and quicker stopping
- Programmable motor characteristics and operator preferences via PC
- Diagnostic feedback through buzzer
- Automatic braking on throttle reduction enhances safety — braking initiated in operator “hands-off” conditions and in neutral
- Reverse polarity protection prevents damage on all external controller connections
- Continuous real-time diagnostics
- Field/armature short protection to battery

Key Applications

- Golf Car
- Utility Vehicle

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