

**FSIP Electronics** designed upgrade performance motors to provide optimal speed or torque. We offer new and remanufactured motor options for popular golf car models including E-Z-GO, Club Car, and Yamaha. **FSIP** motors are designed to be paired with **Navitas Vehicle Systems** conversion kits or our 500 amp FX controllers.



**Features:**

- E-Z-GO, Club Car, and Yamaha options available
- Speed and torque upgrades
- One-year warranty
- Performance accessories sold separately (see page 2)

**Torque Upgrades\***

Cart Type	FSIP Motor P/N	mph	Versus Stock	Torque	Versus Stock	Rating
E-Z-GO PDS	221-36VSPEEDEZ	22	+3 mph	497 ft-lb DP	-20%	3 kW, 3210 RPM, S2=60 min
E-Z-GO TXT 48V	221-48VSPEEDEY	25	+6 mph	701 ft-lb DP	+17%	4 kW, 3480 RPM, S2=60 min
Yamaha Drive	221-48VSPEEDEY	25	+11 mph	701 ft-lb DP	+10%	4 kW, 3480 RPM, S2=60 min
Club Car IQ Club Car Excel	221-48VSPEEDCC	25	+11 mph	702 ft-lb DP	+10%	4 kW, 3480 RPM, S2=60 min

**Speed Upgrades\***

Cart Type	FSIP Motor P/N	mph	Versus Stock	Torque	Versus Stock	Rating
E-Z-GO PDS	221-36VTORQUEEZ	15	+0 mph	1330 ft-lb DP	+121%	3 kW, 1790 RPM, S2=60 min
E-Z-GO TXT 48V	221-48VTORQUEEY	19	+0 mph	1527 ft-lb DP	+155%	3 kW, 1790 RPM, S2=60 min
Yamaha Drive	221-48VTORQUEEY	19	+5 mph	1527 ft-lb DP	+140%	3 kW, 1790 RPM, S2=60 min
Club Car IQ Club Car Excel	221-48VTORQUEECC	19	+5 mph	1492 ft-lb DP	+135%	4 kW, 2450 RPM, S2=60 min

*\*Speed and torque measurements when paired with upgraded controllers. Approximate miles per hour (mph) values calculated from measured revolutions per minute (RPM). Stock vehicles using approximate gear ratio of 12:1 and 17-inch tires, PDS with freedom chip. Results may vary depending on tire size, gear ratio, and battery health.*

*This motor cannot be used with stock vehicle controllers, they require an upgraded controller or conversion kit to operate correctly.*

**Compatible with:**



## Navitas TSX3.0 Kits

### Kit Includes:

- 440 A or 600 A controller w/ Bluetooth control
- Vehicle specific harness
- On-The-Fly (OTF) Programmer

### VEHICLES

#### Club Car - 36 V and 48 V    E-Z-GO - 36 V and 48 V

- |                               |                                |
|-------------------------------|--------------------------------|
| • Carryall                    | • PDS                          |
| • Villager                    | • TXT                          |
| • DS                          | • Valor                        |
| • Precedent                   | • MPT                          |
| <b>Yamaha</b> - 36 V and 48 V | • Workhorse                    |
| • G19                         | <b>STAR EV</b> - 36 V and 48 V |
| • G22                         | • SS Limited                   |
| • Drive/G29                   |                                |

Navitas TSX kits have FSIP motors as a preset option in the app!



## 2 Gauge Cable Sets

### VEHICLES

E-Z-GO TXT & PDS - 62-EZ-2G  
Yamaha Drive - 62-YAM-2G  
Club Car

- 4-12 V batteries - 62-CC4X12-2G
- 6-8 V batteries - 62-CC6X8-2G

### Heavy-duty Solenoids

- 36 V - 102-SU280-1409P
- 48 V - 102-SU280-1410P
- 72 V - 102-SU280B-1490P

