

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)

Speed 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

Torque 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:



YAMAHA



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 |
| Yamaha - 36 V and 48 V | • Workhorse |
| • G19 | STAR EV - 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

