

NIVEL /
SPECIALTY VEHICLES

**Value and
Performance
Systems**



NAVITAS

nivelparts.com
800.959.0852

Nivel offers a series of Performance Packages suited to your needs
























Check out the chart below to determine what Navitas package will fit best for you.

TSX3.0 DC Upgrade Packages
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	TSX3.0 DC Upgrade Packages	TSX3.0 DC Speed + Torque Packages	TAC2 DC to AC Conversion Packages	TAC2 AC Controller Upgrade Packages
Cost				
Speed				
Torque	 Street, neighborhood use	 Neighborhood or large-tire	 Hills, extreme terrain or extra passengers	 Hills, extreme terrain or extra passengers
Upgraded Components	DC Controller	DC Powertrain (controller + motor)	AC Powertrain (controller + motor)	AC Controller
On-the-Fly Programmer				
Bluetooth®				
Key Notes	 Cost effective, easily adjustable controller replacement	 Great middle package between DC upgrading and AC converting	 Longer run times High top speed	 Cost effective, easily adjustable controller replacement

*PLEASE NOTE: Not all packages within this series include the On-the-Fly Programmer

We are excited to expand our **Navitas controller TSX3.0 DC Upgrade lineup**. This powerful Separately Excited Intelligent programmable controller enables motor performance optimization, with a battery voltage up to 48V and an output capacity of up to 600A.

Personalize your driving experience in real-time. Adjust your top speed, braking and acceleration with the On-The-Fly Programmer or the Navitas Bluetooth® App.

Features & Benefits

- Directly replaces stock controller
- Increased torque on Series vehicles (*want to increase your speed? See page 6*)
- Increase speed and torque on Shunt or Regen vehicles
- Functions with stock or aftermarket motors
- Programmable via Bluetooth® app or On-The-Fly Programmer
- Bluetooth® app helps with error diagnostics and can be used as a dashboard/speedometer



A



B

TSX3.0 DC Upgrade Kits include:

- A. Navitas Controller
 - B. On-The-Fly Programmer
- Best feature: User convenience*
Adjust your performance with a turn of the knob
- C. Harness
 - D. Bluetooth® App
- Functions as a dashboard while driving, and adjusts programming while vehicle is stopped.**



C



D

Item # 31923 Club Car/Star EV shown

Club Car

Description	440A	440A w/ OTF	600A	600A w/ OTF
48V DS (Curtis 1268/1520)	N/A	N/A	32092	31946
48V DS (IQ)/Precedent/Tempo/Onward (Curtis 1510/1515)	32082	31966	32091	31945


E-Z-GO

Description	440A	440A w/ OTF	600A	600A w/ OTF
36V TXT (DCS)	25-108	31971	25-106	25-107
36V TXT (PDS)	25-109	31967	32088	31942
48V TXT	25-111	31932	32087	25-110
MPT/Utility (Curtis 1268 ITS)	N/A	N/A	32090	31944


Yamaha

Description	440A	440A w/ OTF	600A	600A w/ OTF
G19/early G22 (GE)	32086	31970	32095	25-114
G22/G29/Drive/Drive2 (Moric)	31977	31969	32094	31948

Star EV

Description	440A	440A w/ OTF	600A	600A w/ OTF
36V Classic 	25-112	25-096	25-113	25-094
48V Vehicles (Curtis 1268/1520)	N/A	N/A	32092	31946

Columbia

Description	440A	440A w/ OTF	600A	600A w/ OTF
Par Car (Sevcon) 	25-104	25-095	25-105	25-093

PLEASE NOTE: 200A solenoid and 2GA wiring is recommended

Have a need for speed?



Speed packages are best for:

- Stock tire height, 4-passenger golf cars
- Street/neighborhood use
- Higher speed than stock, mild hills



Torque packages are best for:

- Off-road, 4-passenger golf cars
- Lifted vehicles with over-sized tires
- Hunters, beachcombers or high payload applications
- Hilly terrain



Speed + Torque packages are best for:

- Large tires & neighborhoods + SPEED
- Light off-road use

For a further performance boost with the TSX3.0 DC controller, we offer packages that include upgraded motors to improve speed, torque, or both. **All packages include: A.) TSX3.0 Controller B.) Harness C.) Motor D.) Solenoid E.) Diode F.) Battery Cable Set.**

Speed Packages

Item #	Vehicle	Controller	Motor
31988	E-Z-GO 36V TXT (DCS)	600A	3267 (3.3 KW)
31994	E-Z-GO 36V TXT (PDS)	600A	3268 (4.8 KW)
31999	Yamaha G19 (GE)	440A	54035 (3.2 KW)

Torque Packages

Item #	Vehicle	Controller	Motor
31978	Club Car 48V DS (IQ) (Curtis 1510/1515)	600A	7177 (3.7 KW)
31986	Club Car 48V Precedent/ Tempo/Onward (Curtis 1510/1515)	600A	7177 (3.7 KW)
31997	E-Z-GO 48V TXT	600A	3272 (3.7 KW)
31993	E-Z-GO 36V TXT (DCS)	600A	3268 (4.8 KW)

Speed + Torque Packages

Item #	Vehicle	Controller	Motor
31979	Club Car 48V DS (IQ) (Curtis 1510/1515)	600A	7144 (5.2 KW)
31987	Club Car 48V Precedent/ Tempo/Onward (Curtis 1510/1515)	600A	7144 (5.2 KW)
31998	E-Z-GO 48V TXT	600A	7115 (5.2 KW)

TSX3.0 Components



Item # 31923 Club Car/Star EV





Item # 31929 E-Z-GO



Item # 31927 Yamaha

Navitas TSX3.0 Harness for Kits

Item #	Description
31923	Club Car DS (IQ)/Precedent/Tempo/Onward (1510/1515)
31928	Club Car/Star EV (1268/1520)
31924	E-Z-GO PDS 36V (TXT) (1206MX)
31929	E-Z-GO MPT/Utility (Curtis 1268/1264 ITS)
31910	E-Z-GO DCS 36V (TXT) (1206SX)
31925	E-Z-GO (TXT 48V) (1206HB)
31927	Yamaha G19/Early G22 (GE)
31926	Yamaha G22/G29/Drive/Drive2 (Moric)
25-083 	Star EV Classic 36V
25-084 	Columbia Par Car (Sevcon)

Navitas TSX3.0 Controllers

Item #	Description
25-047	440AMP 36-48V Controller
25-025	600AMP 36-48V Controller



TAC2 DC to AC Conversion Packages help you reach your full potential through speed, greater efficiency, affordable pricing, and easy installation. These systems are available in 440 and 600 Amp at 4/5KW with the intention of increased performance, while requiring less maintenance.

Features & Benefits

- Direct replacement for stock controller and motor
- Increased efficiency for longer range
- Higher speed and torque on all vehicles
- Easy install - no major modifications required
- All kits include On-The-Fly Programmer
- Programmable via Bluetooth app® and/or On-The-Fly Programmer
- Bluetooth® app helps with error diagnostics and can be used as a dashboard/speedometer



A



B



C



D



E



F



G

TAC2 DC to AC Conversion Packages

Vehicle	440A 4KW	600A 4KW	600A 5KW
Club Car 48V DS (IQ)/Precedent/Tempo/Onward (Curtis 1510/1515)	25-074	25-092	319109
Club Car 48V DS (Curtis 1268/1520)	25-087	N/A	25-088
Club Car Carryall (Curtis 1268 non-ITS)	N/A	N/A	319116
E-Z-GO 48V TXT	25-085	N/A	319110
E-Z-GO S4, L6, MPT, Utility (Curtis 1268 ITS)	25-086	N/A	319102
Yamaha G22/G29/Drive/Drive2 (Moric)	319108	25-091	N/A
Star EV 48V Vehicles (Curtis 1268/1520)	N/A	N/A	25-090
Columbia Par Car	N/A	25-089	N/A

PLEASE NOTE: High amperage solenoid item # **55595** and 2GA cables are highly recommended

TAC2 DC to AC Conversion Packages include:

- A. Navitas Controller
- B. Installed Module
- C. AC Motor
- D. On-The-Fly Programmer
- E. AC Phase Wire
- F. Motor Sensor Cable
- G. Mounting Plate

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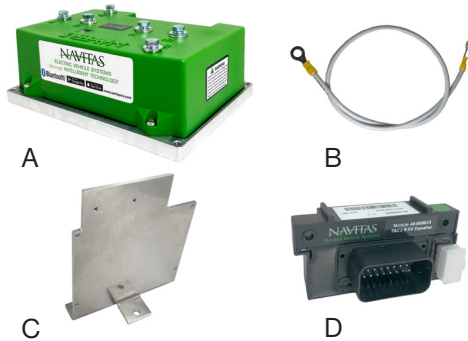
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TAC2 AC Controller Upgrade Packages

TAC2 AC Upgrade Performance Controller Packages are for vehicles that already have AC drivetrains but want to increase speed and torque for maximum experience.

Features & Benefits








- Direct replacement for stock controller
- Higher speed and torque
- Programmable via Bluetooth® app and/or on-the-fly programmer
- Bluetooth® app helps with error diagnostics and can be used as a dashboard/speedometer
- 600A kits include on-the-fly programmer



TAC2 AC Upgrade Packages include:

- A. Navitas Controller
- B. Resistor Wire
- C. Mounting Plate
- D. Installed Module

TAC2 AC Upgrade Packages

Item #	Vehicle	Description
25-117 	E-Z-GO RXV w/o OTF (Curtis)	440A
25-118 	E-Z-GO RXV w/o OTF (Danaher)	440A
25-119 	E-Z-GO L6 72Vw/o OTF (Curtis 1236AC)	440A
25-120 	Yamaha YDRE2 w/o OTF (Neos)	440A
25-121 	ICON/Advanced EV w/o OTF (Neos)	440A
31972	E-Z-GO RXV (Curtis 1206AC)	600A
31973	E-Z-GO RXV (Danaher)	600A
25-115 	E-Z-GO 72V TXT/S4/L6	600A
319101	Yamaha 48V Drive2	600A
25-116 	ICON/Advanced EV (Neos)	600A

Service Components

WE NOW OFFER SERVICE COMPONENTS FOR NAVITAS MOTORS

Ask your sales rep
for more information

On-The-Fly Programmer



Item # **31922**

Navitas OTF Key (Pair) - 644/686



Item # **25-099**



Navitas AC Motor Terminal (Plastic)



Item # **25-097**



Navitas Speed Sensor for AC Motor



Item # **25-098**



Navitas Motor Sensor Cable



Item # **25-103**



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