

**NIVEL** /  
SPECIALTY VEHICLES

**Value and  
Performance  
Systems**



**NAVITAS**

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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 Speed + Torque Packages**  
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**TAC2 DC to AC Conversion Packages**  
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**TAC2 AC Controller 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	<b>DC Controller</b>	<b>DC Powertrain (controller + motor)</b>	<b>AC Powertrain (controller + motor)</b>	<b>AC Controller</b>
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	<b>32092</b>	<b>31946</b>
48V DS (IQ)/Precedent/Tempo/Onward (Curtis 1510/1515)	<b>32082</b>	<b>31966</b>	<b>32091</b>	<b>31945</b>


**E-Z-GO**

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


**Yamaha**

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

**Star EV**

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

**Columbia**

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

**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
<b>31988</b>	E-Z-GO 36V TXT (DCS)	600A	3267 (3.3 KW)
<b>31994</b>	E-Z-GO 36V TXT (PDS)	600A	3268 (4.8 KW)
<b>31999</b>	Yamaha G19 (GE)	440A	54035 (3.2 KW)

## Torque Packages

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

## Speed + Torque Packages

Item #	Vehicle	Controller	Motor
<b>31979</b>	Club Car 48V DS (IQ) (Curtis 1510/1515)	600A	7144 (5.2 KW)
<b>31987</b>	Club Car 48V Precedent/ Tempo/Onward (Curtis 1510/1515)	600A	7144 (5.2 KW)
<b>31998</b>	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)	<b>25-074</b> <small>NEW Item</small>	<b>25-092</b> <small>NEW Item</small>	<b>319109</b>
Club Car 48V DS (Curtis 1268/1520)	<b>25-087</b> <small>NEW Item</small>	N/A	<b>25-088</b> <small>NEW Item</small>
Club Car Carryall (Curtis 1268 non-ITS)	N/A	N/A	<b>319116</b>
E-Z-GO 48V TXT	<b>25-085</b> <small>NEW Item</small>	N/A	<b>319110</b>
E-Z-GO S4, L6, MPT, Utility (Curtis 1268 ITS)	<b>25-086</b> <small>NEW Item</small>	N/A	<b>319102</b>
Yamaha G22/G29/Drive/Drive2 (Moric)	<b>319108</b>	<b>25-091</b> <small>NEW Item</small>	N/A
Star EV 48V Vehicles (Curtis 1268/1520)	N/A	N/A	<b>25-090</b> <small>NEW Item</small>
Columbia Par Car	N/A	<b>25-089</b> <small>NEW Item</small>	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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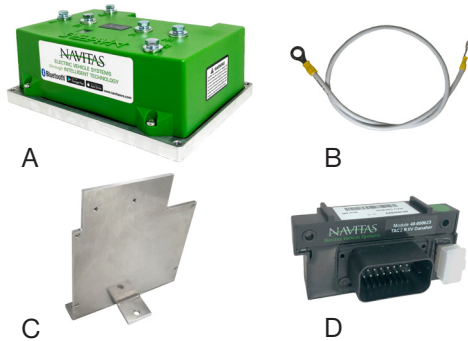
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## TAC2 AC Controller Upgrade Packages

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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