

The Switch EV	Standard Equipment	Optional Equipment
<b>Seating</b>	Two Racing Style Bucket Seats	1, 2, 3 bucket seats or combination with bench seat
<b>Safety Belts</b>	Combination over the shoulder lab belts	5 Point racing harness for bucket seats, lab belts for bench
<b>Instrumentation</b>	Speedometer, voltage meter 12 volt and traction battery, Amp meter, State of Charge (Fuel gauge)	For Lithium Battery Packs optional <b>Android Tablet interface provides detailed data about vehicle</b>
<b>Brakes</b>	Front Disc Brakes Rear Combination Disc Brake parking brake	
<b>Steering</b>	Rack and Pinion	Power Assist
<b>Headlights</b>	Left, Right and Center LED low and high beam	
<b>Tail Lights, License Plate</b>	LED	
<b>Indicator Lights</b>	Normal conditions Charging Parking Brake engaged Battery Error Condition with buzzer	
<b>Speedometer</b>	Electronic Hall Effect Sensor – pre-programmed	Retro GPS Speedometer/Odometer  GPS tablet Based
<b>Wheels</b>	Solid High Polished Steel Wheels	Various
<b>Tires</b>	205/50 - 15	
<b>Transmission Ratio</b>	Direct Drive – Dual Chain 14-1	Direct Drive - Belt Options available
<b>Motors</b>	Permanent Magnet Brushless DC	D&D 6 Inch DC Netgain Warp 9 DC HPEVS AC motors Generic – You Pick
<b>Controllers</b>	Motor Brand Specific	
<b>RPM Limits</b>	Netgain Hyper/9 PM 72V D&D 6 Inch DC Netgain Hyper/9 PM 96 or 144V HPEVS AC motors  Stock Motors – others available upon request	8,000 RPM 2,500 RPM 8,000 RPM 8,000 RPM

## Spec Sheet Continued

<b>The Switch EV</b>	<b>Standard Equipment</b>	<b>Optional Equipment</b>
<b>Torque</b>	Netgain Hyper/9	173 Ft-lbs. at 0 RPM
<b>Horsepower</b>	Netgain Hyper/9 108 Horsepower	
<b>Traction Battery</b>	108 Volts 556 AMPs 80 Horsepower	72 Volt PB 450 AMPs 40 HP 108 volt 11KwHr LI 60 HP 144 volt 15KwHr LI 108 HP 144 volt 30KwHr LI 108 HP
<b>Vehicle Dimensions</b>		
<b>Ground Clearance</b>	5 Inches	3.5 Inches 6.5 Inches
<b>Curb Weight</b>	1,350 Pounds 615KG – Varies by battery type	
<b>Maximum Weight</b>	2,050 Pounds 930KG	
<b>Switch Height</b>	54.2 inches	
<b>Switch Overall Length</b>	144.3 Inches	
<b>Switch Track Width</b>	78.1 Inches	
<b>Switch Overall Width</b>	79 Inches	
<b>Ignition</b>	Two Ignition Keys Standard	Keyless Start with Fob
<b>Features and Warranty</b>		
<b>Color / Graphics</b>	Delivered unpainted with protective seal	Powder Coating Priming

# Frequently Asked Questions

## Seat Configurations

- ✓ 2 is left or right hand drive, 2 seats in front
- ✓ 3 is 1 seat in front center drive and two seats in rear
- ✓ 4 is 2 in front left or right had drive and either 2 in back or bench seats

## Range

- ✓ Starting with a small lead acid sealed AGM 72 volt battery – 15 milerange
  - ✓ 108 volt 7.2KwHr Lithium Manganese battery – 40 mile range
  - ✓ 108 volt 11KwHr Lithium Manganese – 60 milerange
  - ✓ 144 volt 15KwHr Lithium Manganese – 85 milerange
  - ✓ Longer Range is optional with larger battery - upto 200 miles
- All ranges are estimates. Driving speeds and styles significantly effect range.*

## Top Speed

- ✓ Lead acid vehicle 40 MPH
- ✓ Lithium Vehicles 90+ MPH

## 0-60 MPH

- ✓ Lead acid – 0-40 in 8 seconds
- ✓ Lithium 0-60 in 6 seconds or less

## Vehicle Charging

- ✓ All vehicles can be plugged into 110 outlets, and Lithium Vehicles can also be plugged into J1772 outlets (standard EV plug)
- ✓ All vehicles can support 110-240 volt input. The Lead acid vehicle requires the properconnector.
- ✓ No special plugs are required.

## Vehicle Charging Time

- ✓ 110 volts charge at the rate of 10-12 miles per hour of charge
- ✓ 240 volts depend on amperage of circuit
  - 25 amp circuit charges at about 25 miles per hour ofcharge
  - 50 amp circuit charges at about 35 miles per hour ofcharge

## How it works:

The Switch EV is designed modularly, Chassis, Suspension, Interior, Battery, Propulsion (Motor options) are a few of the kits. You can purchase the modules all at once and save on the overall cost or purchase a module once it is complete the next. The third option would be to schedule the modules to arrive on a schedule. We can assist with outlining the average time each module requires for accurate shipping.

However you decide to proceed we will be here to help you through the process.

[www.SwitchVehicles.com](http://www.SwitchVehicles.com)