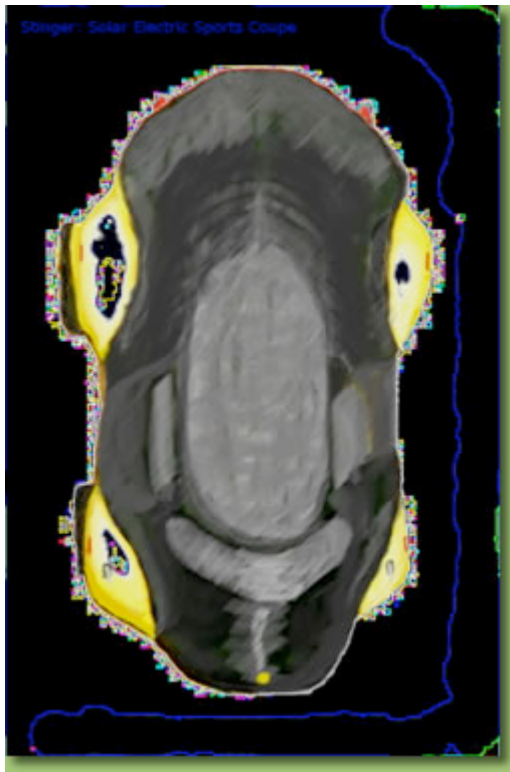




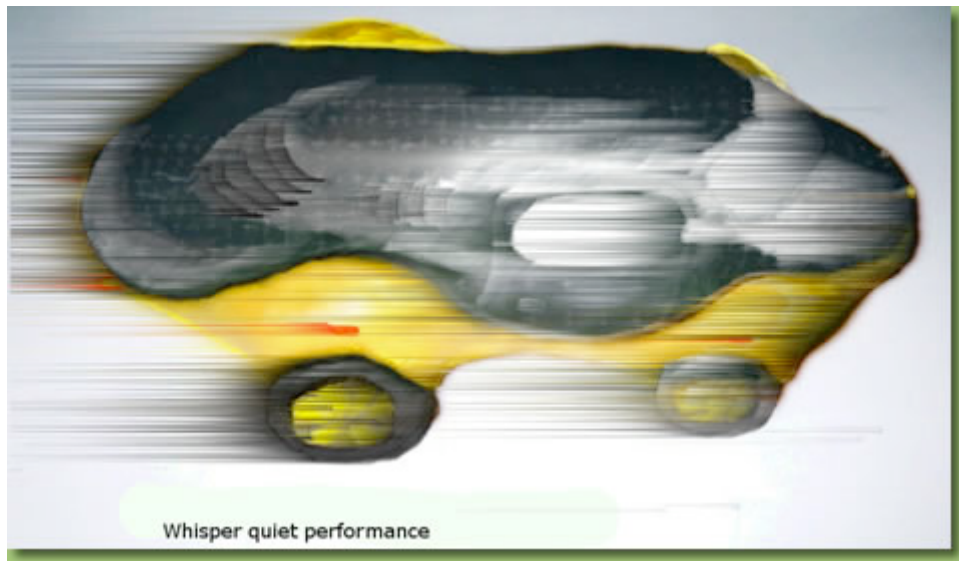
**Stinger Motors Inc.- an environmentally friendly car company**  
*Stinger "Wasp" Version depicted below with both door design possibilities*



The Stinger name and design is the exclusive intellectual property of Dr. Al Alberts.

## **Performance and Economy**

With only the driver on board, the 400hp, 2300lb, Stinger can easily accelerate from 0-60mph in well under 5 seconds in 4WD Traction Mode, yet by shifting into Sport rear 2WD (250hp) and then Economy Mode rear 1WD (125hp) once your desired speed has been reached - you simply set the Cruise Control at 70mph and the same aerodynamically designed Stinger can maintain that highway speed with as little as 8hp on a flat gradient! Therefore, under optimal conditions, The Stinger Solar Electric Sports Coupe can travel great distances in bright sunlight without on-grid power supplies.



## Features

### Stinger - Standard Features

- Regenerative front braking/charging system
- Rear Traction control
- Regenerative rear braking/charging system
- Emergency rear brakes
- Oversized Gull- wing doors
- Electronic door entry
- Central door locking
- Alarm and immobilizer
- Lowering mechanism side windows
- Cruise control
- AM/FM CD/MP3 Player (lightweight MP3 plug in)
- Velour sports seats (light/dark tan)
- Removable Solar Shell (easy maintenance)
- ABS plastic wheels
- Tinted windows
- Home based "Four Corner" charging system (EVCS) with integral safety features
- Three phase 220V industrial charging lead
- Low energy use full LED instruments and headlamps
- LED taillights, front, rear and side-mounted lights
- High velocity remote climate control
- Integrated Mobile Device charging system

- Auxiliary on-board wind turbine charging system
- Front Airbags
- Aluminum passenger safety cage

\$30,000 USD projected sale price

Lower body color (all solar/upper shells are black) available in Bumble Bee Yellow as shown

## QUESTIONS and ANSWERS

**Q.** Why are the motors in the wheels?

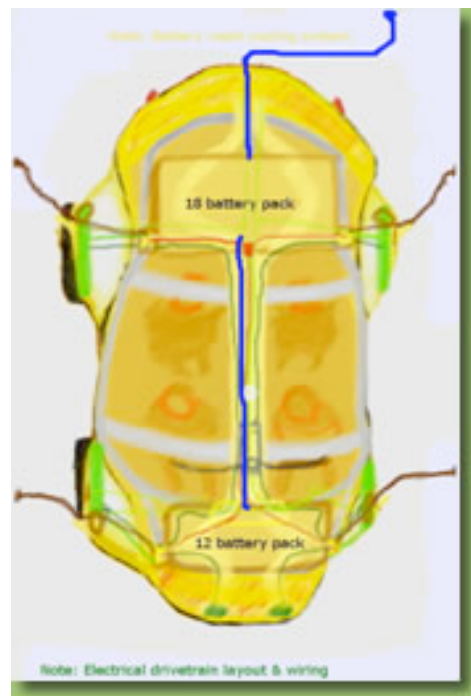
**A.** We wanted a system with no gearboxes, differential, axle, drive shafts, etc., to save weight, improve performance and reduce maintenance. These lightweight designed and powerful compact motors are also part of our plan to upgrade battery and solar power as newer technology becomes reasonably priced. These motors have been over-engineered to handle much greater power loads than are currently being delivered. Therefore, should more powerful batteries become available (as your originals wear out) these motors will easily accommodate the upgrade and you benefit from the greater power and or longevity of the new design. However, should a motor need repaired or replaced, this (in the wheel) design is much more easily serviced than under hood motors.



**Q. Is the car safe for passengers in a crash situation?**

A. Absolutely! Considering its' size and weight- the car is just as safe or safer than other lightweight vehicles. We have taken great measures to adapt, similar to NASCAR type of, safety features to our lightweight car by offering a full- aluminum roll cage integrated into the cockpit design. You can see the brushed aluminum overhead safety bars just below the interior ceiling (see left diagram highlighting safety features below). Also, the strictest international automotive glass and (internal in this case) bumper standards have been applied in order to sell the car unchanged worldwide. Additionally, both the forward and leeward overhang sections of the car were designed to flex upon an impact of more than 5mph and have internal baffling to absorb collision impact and high visibility LED lighting is used throughout. Note that the renderings below would closely resemble the Stinger's lower body section, with the one-piece solar shell removed. \*Please note wiring diagram below (right) that illustrates the location of wiring as being sealed away from the passenger compartment:

**Q. How does the Stinger charge its battery system?**



A. The Stinger is unique in its' multiple recharging methods. Besides the patented solar shell, the Sport Coupe has a built in regenerative braking system on the rear wheel motor(s) while the front wheel alternators and auxiliary wind turbines also generate power while the vehicle is in motion for a total of 9400 watts of on-board power while in

motion. Even on a partially cloudy day, we recommend leaving the car outside as it will benefit from quicker solar recharging than plugged into the garage receptacles. However, at night, if the batteries are very low or nearly depleted, you may also utilize the "Four Corner" battery recharging and control system. Simply plug the car's four charging leads into your home's electric power point(s) and you'll soon be charged and ready for the next journey.\*Note, you may use any or all four (12 ft long) retractable home recharging leads, but plugging in all four leads at once results in the quickest recharge (see above diagram).

**Q. How does the regenerative braking work?**

A. When you brake, the car's kinetic motion energy is converted to heat through friction - throwing away the energy that was previously used to accelerate the car. Conversely, regenerative braking, in city driving, recaptures about 30 percent of a typical car's engine output that was previously lost due to braking. This proportion drops to almost zero in highway driving, where braking is much less frequent. However, the front wheel alternators are also generating power at highway speeds. An electric vehicle uses an electric motor to create torque to drive its wheels. Electric motors can be designed to be virtually identical to electric generators. This means an electric motor can either use electricity to create torque, or can reverse the process and use torque to create electricity. We have designed the Stinger to make the best usage of both technologies. \* Note that The Stinger is also equipped with an emergency, manually operated, brake.

**Q. Where can I get the Stinger serviced? When should I replace the batteries?**

A. Facilities will be available at the dealership from which you took initial delivery. Every dealership is factory inspected for service standards prior to taking delivery of their first Stinger. In fact, completely new running cars will be shipped and then disassembled for parts supplies- right at the dealership- prior to opening their doors. This is our final test of each dealer's preparedness to handle any parts or service diagnostics issues that might arise! However, as the Stinger has no oils or other fluids to change and far fewer mechanical parts to fail than internal combustion vehicles- the first service is not scheduled until 70,000 miles. At this time, all electronics will be carefully diagnosed for performance and safety- as well as the wheel hub motors, suspension and other moving parts. During this estimated three year period (before the first service), we anticipate significant battery design improvements. Meaning: Rather than simply replacing the few batteries not functioning at full capacity- these batteries could be strategically upgraded with newer and more efficient batteries as each older unit becomes badly worn. Using this method of only replacing the older defective part with a newer and more efficient replacement- we estimate that all older batteries will be retrofitted by the fifth year of ownership.



While we envision the battery replacements to follow a three to five year recycling/upgrade pattern and the solar shell to be significantly improved at five year intervals- the suspension component replacement will follow a more traditional 100,000 mile schedule around the seventh year. By the tenth year, advances in motor hub design might warrant retrofitting upgraded units (though this is not foreseen), but in addition to the third generation solar shell being offered- it is likely the Stinger's GRP gel coat would need its' first coat of paint; this would be the ideal time to change vehicle's coloring (if desired) and replace badly worn interior trim components (such as the driver's seat upholstery, etc). Imagine driving to your local Stinger Dealership in a ten year old car and leaving with a brand new upper section (solar shell) and a restored interior along with perhaps a new colored coat of paint on the lower body!

**Q. Do the batteries take up the entire trunk and under hood space?**

A. Even though there are 30 traditionally sized batteries on-board, as there is no fuel tank, The Stinger offers plenty of trunk space (10 cubic feet) as well as fold down seats in the rear (see illustration below). However, the front (typical the under hood engine area) of the vehicle is only accessible with the entire solar shell removed; this area houses nearly half of the batteries and almost all electronics on board. This designed weight in the optimum positions allows the Stinger to have an excellent weight distribution and low roll center for cornering stability. The ride height, combined with the high technology (frame-less) chassis, achieves excellent general road holding performance.



**Q. Why should I buy a Stinger instead of an Accord or Camry for my family's primary daily use?**

**A.** In the majority of cases, in temperate climates with fairly mild winters or hot climates, this is the ideal choice for a primary vehicle. Besides the visually stunning design that incorporates the solar shell right into the body design- The Stinger offers the same (primarily) day time driving characteristics as the top selling mid-sized internal combustion sedans (provided they aren't required to sit under a parking garage all day). In addition to similar overall dimensions and cockpit design, we offer these features not found on any similarly priced competitors' products:

- Solar shell continually recharges low batteries while driving or parked
- All polymer/plastic outer body construction not found on other mid-sized sedans means zero rust
- Blistering acceleration with unbelievable energy efficiency
- Superior stone chip protection under normal conditions
- The most aerodynamic four passenger coupe on the market
- On demand 4X4 capabilities
- Air/water tight vehicle will float in an emergency situation
- Remote climate control for pre-entry (of car) heating or cooling
- Oversized gull-wing doors allow easier entry than other two door designs
- More standard recharging options than other EV's (home & industrial)
- Lifetime non-transferable 20 year factory warranty on motors and car body (3yr electronic)
- Three year warranty bumper to bumper warranty on all parts/labor
- Cost effective readily available replacement batteries
- No more costly convenience store fill-ups
- No more smelly gasoline vapors to inhale
- No more oil changes or antifreeze on the driveway
- Zero tailpipe emissions
- No scheduled maintenance for 70,000 miles
- Whisper quiet operation
- Upgrade able modular design to easily capture future technology
- Refuel/charge in the safety of your own garage while you sleep

A portion of the Stinger's profits are directed towards non-profit "Green" Charities

In truth, our hope at Stinger Motors Inc. is that most of our customers will adjust their driving habits to conform with a pattern of totally free solar recharging coming from sunlight whenever possible- even though we've made our garage charging system standard, quick and efficient. Likewise, we'd like to believe that our car will actually allow more people to drive in remote (mostly sunny) desert areas where few or no gas stations are currently located. In fact, our patented "Flow Through" solar cooling system was designed with these climates in mind.

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