

## TECHNICAL

Four-wheeler, chassis-body shell made of carbon-fibre composite material, 2 or 4 motor-wheels, stock solar panels, 130 Km/h top speed

### CHASSIS - BODY

- Length : 4995 mm, Width : 1795 mm, Height : 1000 mm
- Wheelbase : 2800 mm, Track : 1400 mm, Weight : 270 Kg
- Front area : 0.90 m<sup>2</sup> ; Drag Coefficient : 0.13 circa
- Custom-made carbon-epoxide double wishbone suspensions, oleopneumatic adjustable spring-dampers
- 2 or 4 steering wheels, on demand
- 4 disc-brakes , custom-made aluminium wheels
- Tyres : 2-1/2x16 front ; 2-3/4x16 rear

### ELECTRICAL SYSTEMS

- 1 to 4 motor-wheels : custom-made DC Brushless , or stock DC PM
- Main Battery : Lithium-Polymer/2.3 kWh-20 kg
- Additional Battery : 1 (or 2) Lead-Acid Battery/1.1 kWh-38 kg
- Photovoltaic generator : 4.7 m<sup>2</sup>, stock silicon cells -16.5 % efficiency  
8 peak power trackers, theoretical power 760 W / 1000W/m<sup>2</sup> AM1.5

### REGULATIONS

2009 FIA "Alternative Energies Cup"  
Category 1 : Solar-powered racing vehicles  
Racing section : 800 solar watts max.  
See Web-Site : [www.fia.com](http://www.fia.com)

### PROTOTYPE VALUE

US\$ : 750,000 -2009-

## **ACHIEVEMENTS**

2009 Solar Event / Solar Challenge / winner