

TECHNICAL

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

CHASSIS - BODY

- Length : 4995 mm, Width : 1795 mm, Height : 1000 mm
- Wheelbase : 2800 mm, Track : 1400 mm, Weight : 270 Kg
- Front area : 0.90 m² ; 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 m², stock silicon cells -16.5 % efficiency
8 peak power trackers, theoretical power 760 W / 1000W/m² 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

PROTOTYPE VALUE

US\$: 750,000 -2009-

ACHIEVEMENTS

2009 Solar Event / Solar Challenge / winner