

Tasmanian Solar Car Challenge 2006

Entry and Scrutineering Form

Please print clearly.

School Name: _____

Car Name: _____ Number: _____

I declare that this vehicle has been designed and built by me (and my team) as required by the Regulation and I/we agree to abide by the Regulations.

Signed: _____ Date: _____

Team Member 1: _____

Team Member 2: _____

Team Member 3: _____

Team Member 4: _____

Teacher/Parent: _____

Solar Array Type: _____ Model No. _____

Motor Manufacturer: _____ Model No: _____

Note: Official use only below. Panel Watts Tested: _____ Panel Wt.: _____

Clause	Regulation	Tick/Details
8.1	Chassis or body not commercially made	
8.2	Car within size: 650 long, 320 wide, 180 high. (mm)	
8.3	Approved commercially available silicon photovoltaic cells.	
8.4	Solar array power no more than 12 Watts.	
8.5	No energy storage system, no capacitors larger than 0.2 farad.	
8.6	Solar array easily removable from car.	
8.6	Solar array not part of chassis, cabin or side panels.	
8.6	Only switches and wiring attached to solar array.	
8.7	Car stable and move freely with Solar array removed	
8.8	Solar panel wiring visible. Diag. Provided. Single connections.	

8.9	Solar panel cover provided.	
8.10	Solar array total weight required $= (\text{Watts}-6) \times 175 + 600 \text{gms.}$	
8.11	Ballast weight required.:- (minimum array weight = 600gms.)	
8.11	Ballast carried in otherwise empty drink can in cargo area.	
8.12	Marked ON/OFF switch on top or LHS. Less than 20mm high.	
8.13	Car wiring visible. Block diagram supplied.	
8.14	Motor Manufacture & Number present	
8.15	Wheels: Width >1mm, or Radius >0.6mm	
8.16	Reliable external guide mechanism. (Not single peg)	
8.17	Rigid chassis with all components attached.	
8.18	Cargo area under solar array and behind driver's cabin	
8.18	Floor and car capable of carrying two full 375ml drink cans.	
8.18	One can carried transverse to the direction of travel.	
8.19	Rigid side panel min. 120mm long x 75mm high on each side.	
8.19	Side panels within 20mm vertically and 15mm horizontally.	
8.20	Visible School and Car name in 10mm high letters.	
8.22	Enclosed and sealed cabin at front, egg vertical.	
8.22	Transparent 25mm windscreen, only two 4mm frame members.	
8.22	Space around driver. Driver visible from front and sides.	

Car Meets Race Requirements **YES** **NO** **Car No.**_____

(Signed) _____

Total race weight _____

Panel Weight _____

Ballast Weight _____

Additional comments: