



# SOLAR CHALLENGE

## Open Solar Car Event

### Rules and regulations - 2026

#### INTRO

This event will be open to anyone who wishes to make a solar powered car. I know this is a big field of players however the aim is to see what innovative ideas are out there. I have tried to keep the rules to an absolute minimum so I hope we will have comments like “I wish I’d thought of that” and “maybe I might try something like that next year”. I also believe this event will be a good challenge to year 11 & 12 students doing engineering.

#### SPIRIT OF THE COMPETITION

As this will be a very open event the aim is to have as much fun as possible and encourage people to push the boundaries. To this end we may see things tested which you might not have in normal racing and so we will all need to look and learn.

#### THE OUTLINE/Problem to solve

The aim is to make the fastest solar powered car to complete **two laps** of the 100m figure 8 track used at UNSW SunSprint event. The few rules are listed below. If you are unsure about any rule or aspect of the race your only point of contact is the Race Coordinator. The event will be held on the Saturday however we will allow time on the Friday for practice and for us to see the competition!!

#### THE CAR

##### Standards

The car will be powered by commercially available solar panels or panels made from silicon cells.

##### Must Have

An on off switch and be clearly marked On Off

17mm clearance under the car

**A plate at right angles to the direction of travel measuring 260mm x 80mm**

#### SCRUTINEERING

This will be very short however you must be prepared to explain your car in detail. A fact sheet about your car will need to be handed in to divulge all information about components used in the car. Not only is this race fun but we hope to encourage innovation as well as learning for us all. The information sheet will be sent once you register on the web site.

#### RACING

It will be a knock out race. Winners go forward to the next heat. If your car knocks any other car off the track you will be disqualified from the race. You might need to think about the width of your car or be prepared to stay in front! There will be a \$5 entry fee payable at scrutineering. Winner take all.

Thanks.

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