The purpose of this report is to document how the dimensioning of the solar cars electrical components are made. These values are found by finding the requirements for the car to perform as needed.

Find requirements for car

Dimension motor

Find energy input from sun

Dimension solar panels and battery

Model car

Simulate with route

Discuss if the dimensioning is correct

Conclude what the dimensions should be

Assume PV temp is ambient temp + 5 degrees Celsius