



SolarFlair

SolarFlair SP 400

The motivation for SolarFlair to participate in solar challenges, was sparked by a school project called the South African Electric Vehicle Challenge, which they run very successfully in Mbombela, Mpumalanga for the past nine years. School learners under adult supervision design, build, and race cars with a strict set of rules about batteries and possibly solar panels.

The team started building their solar car from a balsa wood model in September 2018. The backside was built by one member and the front by another, and as this progressed, many rebuilds happened. However, the team faced some challenges, including, installing the steering wheel and fitting in the motor for the car. They are currently redesigning and upgrading some of the car parts.

Their main constraint in this process is budget, however they hope to get the business community of Mbombela to assist where possible.

By competing in solar challenges for the first time this year, the SolarFlair team is determined to attract more youngsters into the world of STEM.