



Array: 3 sub SunPower silicon array at 24% efficiency

Body: custom carbon fiber aeroshell

Battery: 1500 18650-lithium ion cells

Car weight: 500kg(without driver)

Motors: duel mitsuba 2096-D3

Range: 700 miles with the array

Motor power: 5 kw

Top speed: 65

ROSE (Running on Solar Energy) is a MOV (multi-occupancy vehicle) designed and built in 2018 for FSGP and ASC. ROSE is a two seater with a spacious interior, comfortable seating, and cup holders as well as considerable trunk space for storage. It's battery was rebuilt in 2019 in preparation for the World Solar Challenge. Due to logistical issues, the team was unable to compete, so ROSE was further improved for FSGP and ASC 2021.

Suspension and interior were completely redone, as well as the rollcage to improve the safety for driver and passenger.

