

SUN SHUTTLE TEAM

TEAM OVERVIEW SUN SHUTTLE TEAM



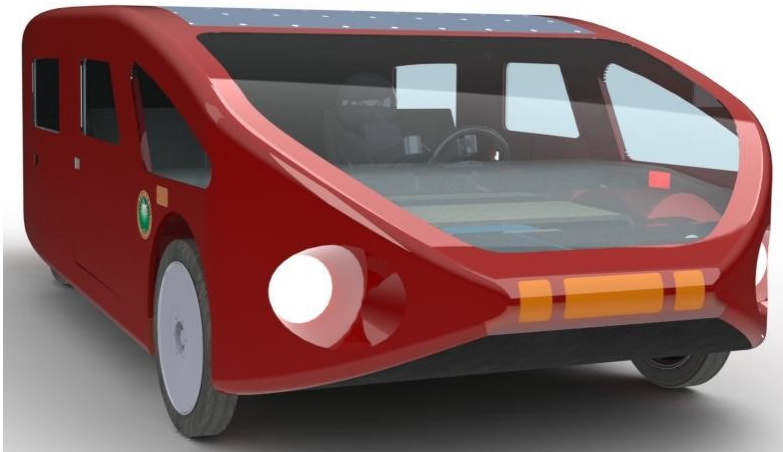
CAR NAME
SUN SHUTTLE IV

UNIVERSITY
BEIJING INSITUTE OF TECHNOLOGY

LOCATION
CHINA

WSC CLASS
CSIRO CRUISER

STATIC SCRUTINEERING
PASS



DAILY EVENT RESULTS

	Arrival time	Control stop	Kms from Darwin
Day 1	Oct 22 14:29:56	Katherine	317
Day 2	Oct 23 16:06:44	Tennant Creek	986.836
Day 3	Oct 24 16:11:57	Alice Springs	1493.486

HOW MANY TIMES HAS YOUR TEAM PARTICIPATED IN THE EVENT?

We have participated three times in 2013, 2015 and 2019.

WHAT IS THE DESIGN PHILOSOPHY BEHIND YOUR SOLAR CAR?

Exploring the potential of solar technology for automotive use.
Solving the energy and environmental problems of new energy vehicles.
Protecting the Earth's home and achieving sustainable development.
Exploring innovative and bold solutions to problems with science.

WHAT IS UNIQUE ABOUT YOUR SOLAR CAR?

Sun Shuttle IV is stimulated with the digital twin (DT) technology to accurately characterize energy. The energy consumption error between the experiment and simulation is less than 5.17%. The unique shape provides a wind resistance coefficient of 0.126 and a wind-ward area of 1.546 m², which has much lower wind resistance at both low and high speed. The powertrain consists of two in-wheel PMSM motor, which are high efficiency.

WHY DOES YOUR TEAM VALUE PARTICIPATING IN THE BRIDGESTONE WORLD SOLAR CHALLENGE?

On the basis of existing research and accumulation of solar cars, combined with the needs of the Bridgestone World Solar Challenge, we have broken through the key technology of lightweight low resistance design and developed a lightweight high-speed four seater solar car, demonstrating the technology and capabilities of solar cars, laying the foundation for practical application and technological promotion.

WHAT IS THE ONE THING YOUR TEAM IS LOOKING FORWARD TO WHEN YOU VISIT AUSTRALIA?

Lovely kangaroos and koalas, of course

2023 TEAMS

2: UNIVERSITY OF MICHIGAN SOLAR CAR TEAM (TEAM/VIEW/407-UNIVERSITY-OF-MICHIGAN-SOLAR-CAR-TEAM)

3: BRUNEL SOLAR TEAM (TEAM/VIEW/371-BRUNEL-SOLAR-TEAM)

6: TOP DUTCH SOLAR RACING (TEAM/VIEW/404-TOP-DUTCH-SOLAR-RACING)

7: TEAM SONNENWAGEN AACHEN (TEAM/VIEW/401-TEAM-SONNENWAGEN-AACHEN)

8: INNOPTUS SOLAR TEAM (TEAM/VIEW/366-INNOPTUS-SOLAR-TEAM)

9: ADELAIDE UNIVERSITY SOLAR RACING TEAM (AUSRT) (TEAM/VIEW/364-ADELAIDE-UNIVERSITY-SOLAR-RACING-TEAM-AUSRT)

10: TOKAI UNIVERSITY SOLAR CAR TEAM (TEAM/VIEW/403-TOKAI-UNIVERSITY-SOLAR-CAR-TEAM)

13: TEAMARROW (TEAM/VIEW/402-TEAMARROW)

14: FUTUROSOLARE (TEAM/VIEW/380-FUTUROSOLARE)

15: WESTERN SYDNEY SOLAR TEAM (TEAM/VIEW/412-WESTERN-SYDNEY-SOLAR-TEAM)

18: UITM ECOPHOTON SOLAR RACING TEAM (TEAM/VIEW/406-UITM-ECOPHOTON-SOLAR-RACING-TEAM)

20: DURHAM UNIVERSITY SOLAR CAR (TEAM/VIEW/374-DURHAM-UNIVERSITY-SOLAR-CAR)

21: SOLAR TEAM TWENTE (TEAM/VIEW/394-SOLAR-TEAM-TWENTE)

23: HALMSTAD UNIVERSITY SOLAR TEAM (TEAM/VIEW/382-HALMSTAD-UNIVERSITY-SOLAR-TEAM)

25: VTC SOLAR CAR TEAM (TEAM/VIEW/410-VTC-SOLAR-CAR-TEAM)

27: SUNSWIFT RACING (TEAM/VIEW/399-SUNSWIFT-RACING)

28: AGNIRATH (TEAM/VIEW/365-AGNIRATH)

30: FAST - FLINDERS AUTOMOTIVE SOLAR TEAM (TEAM/VIEW/379-FAST--FLINDERS-AUTOMOTIVE-SOLAR-TEAM)

34: ITU ZES SOLAR CAR TEAM (TEAM/VIEW/385-ITU-ZES-SOLAR-CAR-TEAM)

35: UNIVERSITY OF MINNESOTA SOLAR VEHICLE PROJECT (TEAM/VIEW/408-UNIVERSITY-OF-MINNESOTA-SOLAR-VEHICLE-PROJECT)

37: GOKO HIGH SCHOOL (TEAM/VIEW/381-GOKO-HIGH-SCHOOL)

41: ANU SOLAR RACING (TEAM/VIEW/368-ANU-SOLAR-RACING)

46: JU SOLAR TEAM (TEAM/VIEW/386-JU-SOLAR-TEAM)

49: SIAM TECHNOLOGY MOTOR SPORT (TEAM/VIEW/392-SIAM-TECHNOLOGY-MOTOR-SPORT)

51: CHALMERS SOLAR TEAM (TEAM/VIEW/373-CHALMERS-SOLAR-TEAM)

57: SOLO: SEOUL NATIONAL UNIVERSITY SOLAR CAR TEAM (TEAM/VIEW/397-SOLO-SEOUL-NATIONAL-UNIVERSITY-SOLAR-CAR-TEAM)

61: WAKAYAMA UNIVERSITY SOLAR CAR TEAM (TEAM/VIEW/411-WAKAYAMA-UNIVERSITY-SOLAR-CAR-TEAM)

66: SOLARIDE (TEAM/VIEW/395-SOLARIDE)

67: ASCEND - DEAKIN UNIVERSITY SOLAR CAR TEAM (TEAM/VIEW/400-ASCEND--DEAKIN-UNIVERSITY-SOLAR-CAR-TEAM)

77: BLUE SKY SOLAR RACING (TEAM/VIEW/370-BLUE-SKY-SOLAR-RACING)

80: SUN SHUTTLE TEAM (TEAM/VIEW/398-SUN-SHUTTLE-TEAM)

82: SAITEM (TEAM/VIEW/390-SAITEM)

85: ACENTAURI (TEAM/VIEW/363-CENTAURI)

88: KOGAKUIN UNIVERSITY SOLAR TEAM (TEAM/VIEW/387-KOGAKUIN-UNIVERSITY-SOLAR-TEAM)

92: ECLIPSE ÉTS (TEAM/VIEW/375-ECLIPSE-TS)

93: ESTIDAMAH SOLAR CAR TEAM (TEAM/VIEW/378-ESTIDAMAH-SOLAR-CAR-TEAM)