

Solar cars designed according to Challenger Class specifications are typically cars with an occupancy space for one occupant (the pilot) and is supported by at least three wheels with solar collectors mounted on the upper surface of the vehicle.

These solar cars can be built according to three general design types:

1. Bullet – this design is long and narrow and resembles the aerodynamic shape of a bullet.
2. Catamaran – this design is shorter but wider than the bullet design and resembles the multi-hulled watercraft of a catamaran.
3. Go-cart – this design is commonly the smallest in size and resembles the low and agile design of a go-cart.

