

Wind and solar powered Electric Car

The conventional electric car finds the difficulty of charging it after few kilometers but the wind and solar powered car helps to eliminate this drawback as this car has the facility to be charged on board due to wind and solar energy. Taking into account air resistance, the design of the car is such that maximum aspects are taken into consideration. The sun and the wind energy are utilized to charge battery and generate the energy to run the car smoothly. Super capacitor helps for ripple free torque during motion.

The wind and solar powered car has high efficiency and is a maintenance free car. The car works on the concept of charging and discharging of the battery on board. When the car runs, the motor consumes power from battery and after certain kilometers it needs to be recharged. In this car power is generated from wind turbines and the solar plates and are directed to the battery for the charging. The battery is recharged on board and the car doesn't need to be standby for charging.

Guided by: Prof. H.S.Dalvi

Projectees:- Mr. Ravi Shankar, Ms. Shneha Moni, Mr.Rohit Bhirangi, Mr Kunal lokhande

