

Paul Cross & Austin Moore  
*Rolling in Green*

People are always looking for a more efficient vehicle, and in this project, one was created. This car effectively combines solar, friction, and wind energy to increase run time. This car was created for maximum efficiency using minimal resources. From a series of tests it was found that a car like this will run for nearly six hundred miles without the use of a stationary charging system. This run time is extremely relevant because the most efficient electric car on the market will only run for one hundred miles on a single charge. The reason for this dramatic increase in mileage is because of the use of lithium batteries and brushless motors in that they are more efficient than the more commonly used brushed motors and NiCad batteries. Another reason for this change is the additional use of wind and friction generators which are not traditionally used.