



TASK-3

PRODUCT- ELECTRIC CAR

ELECTRIC CAR

- DETAILED PROCESS:



ELECTRIC VEHICLES ARE KEY INNOVATION IN TRANSPORTATION THAT REPLACES INTERNAL COMBUSTION ENGINES(ICE) WITH ELECTRIC POWER.THEY OFFER AN ECO-FRIENDLY ALTERNATIVE BY RUNNING ON ELECTRICITY STORED IN BATTERIES.

HOW DOES A ELECTRIC CAR WORKS?

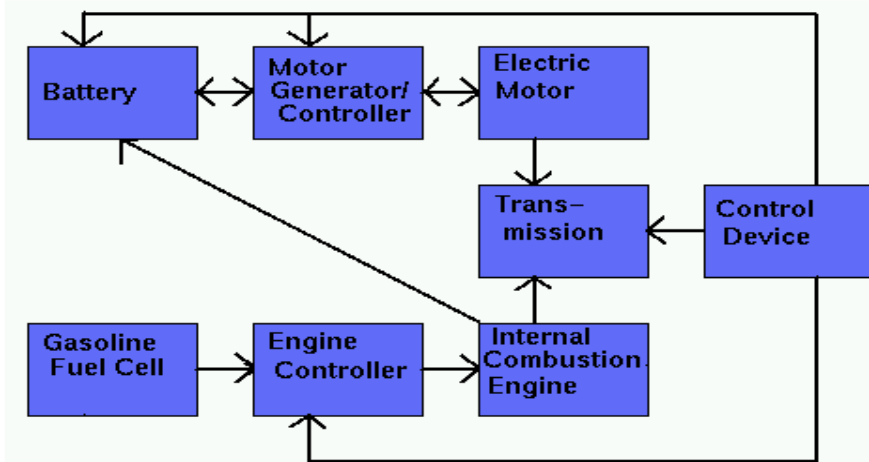
- * Energy source: The battery pack
- * Power conversion: Electric motor
- * Controller: Managing the power flow
- * Transmission: Simple drivetrain
- * Charging the vehicle: Energy input
- * Driving the vehicle: Smooth and instant torque
- * Regenerative braking: Reclaiming energy
- * Battery management system(BMS): Monitoring and safety
- * Range and efficiency: Maximizing the distance
- * Environmental impact: Zero tailpipe emissions



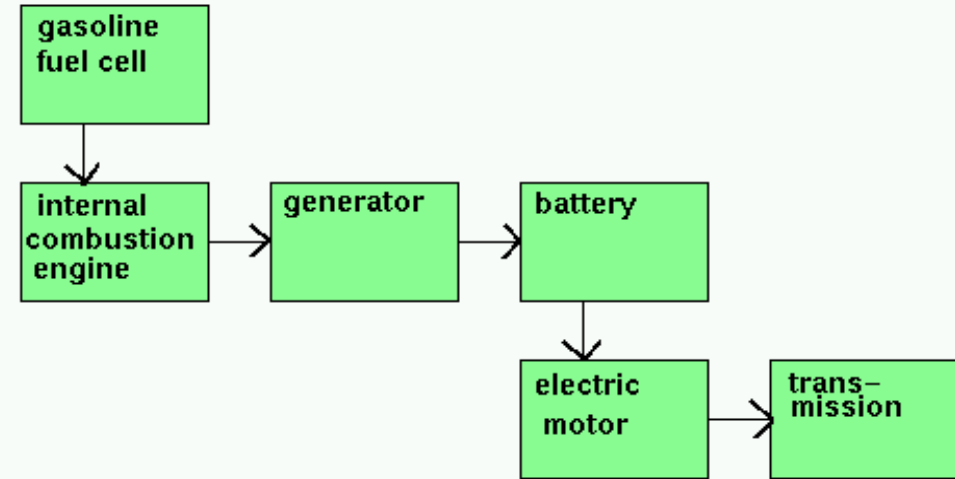
KEY BENEFITS OF ELECTRIC CARS

- * Lower operating cost
 - * Quiet and smooth ride
 - * Eco- friendly
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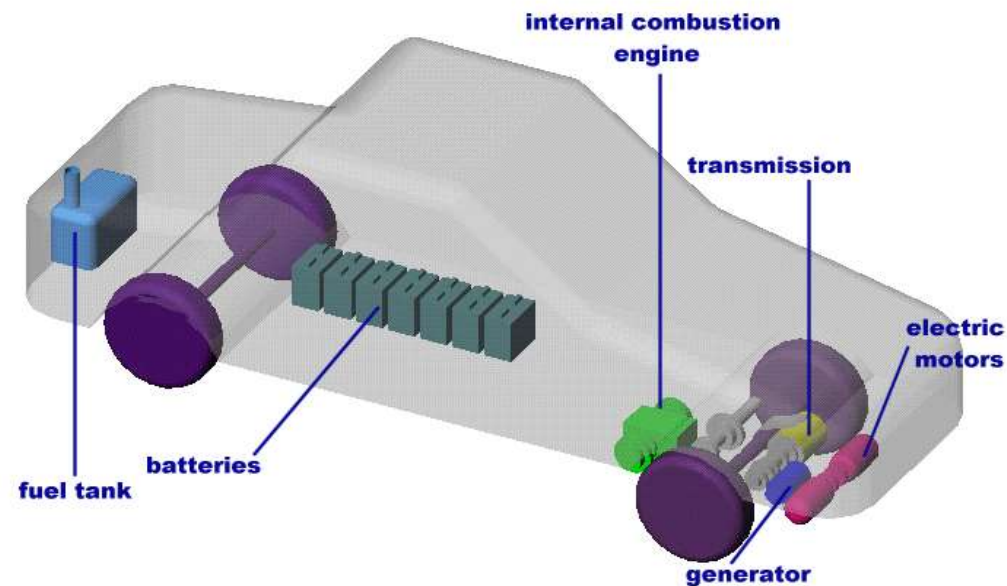
TOOLS



Schematic of Parallel System



Schematic of Series System



Way Cool Transparent View of Possible H.E.V. System In Automobile