

# ELVO3

ELVO3 is high performances electric vehicle which is in process of development. Name is acronym of two Serbian words 'Електрично ВОЗило' meaning 'electric vehicle'. ELVO3 is imagined and designed as a vehicle which will show supreme behavior both on and off road with possibility of achieving speeds greater then 300 km/h and with acceleration from 0 – 100 km/h for less than 3 seconds. By placing large diameter electric motor inside back wheel following advantages are achieved:

Higher efficiency of motor power transfer.  
Higher Torque.  
Mass reduction as there is no need for power transmission system.  
Higher useful space inside vehicle.

**RANGE - 400 km**

**SPEED - 315 km/h**

**ACCELERATION (0- 100 km/h) - 2.1 s**

Shape of the vehicle is designed to present compromise between low drag and increased down force acting on vehicle which is extremely important for vehicle handling at high speeds. As vehicle speed is higher, intensity of down force acting on vehicle is also higher on which way entire vehicle is pushed down which in return increase vehicle aerodynamics performances and overall top speed of the vehicle.

Tires on the vehicles wheels are special solution consisting mutually interlocked custom designed segments. In this way it is achieved simple adjustment for any road and weather conditions as these segments can be easily replaced.