## EXERCISE 2.2 - ELECTRIC SCOOTER

Input data:

	(	1.0
Battery Nominal Voltage	42	V

Battery capacity unknown

Starting from Battery SOH 75% and SOC 100%

Total weight: 90kg

Asphalt road type.

Climbing road with 15% of slope.

- 1. What will be the energy needed in the battery in these conditions to be able to travel a distance of 20 km, traveling at 15 km/h and fully discharging the battery?
- 2. What was the battery nominal energy when it was new?

Use the excel tool to make the exercise