

Lab Research Aims

The aims for the HVES research group at Oxford Brookes University are to develop capability for experimental testing across the automotive electrification field. Current capabilities of this group are limited to cell level testing of cylindrical and pouch cells, though a high precision cell cyclers, potentiostat, and thermal chamber. As this group expands their capabilities, it is important to verify and review current trends in the field. At the moment, the UK has recently moved it's electric vehicle sales policy from 2040 to 2030. This is an important factor to consider as the field develops over the next century.

Table 1: Pack Tester Required Specification

DC Power	Maximum Voltage	Min Voltage	Voltage Accuracy
16	5.8	1.16	453
20	6.9	0.96	453
25	7.2	0.743	453