

LIST OF TABLES

2.1	Battery specification by brand including cell type, capacity, and charging duration	5
2.2	Comparisons of machine learning methods in previous research . . .	10
4.1	Battery performance parameters for a 72V/20Ah battery pack	33
4.2	Machine learning methods comparison	34
5.1	CPU & memory usage	52
5.2	Main screen button response test	52
5.3	Charging method screen button response test	52
5.4	Choose voltage screen button response test	52
5.5	Choose brand screen button response test	53
5.6	Start charging screen button response test	53
5.7	Stop charging screen button response test	53
5.8	Swap payment screen button response test	53