

Appendix

Table 1: Details of most commonly used EVs in the UK [80,98]

EV	Kerb Weight (kg)	% of licensed vehicles	Battery capacity (kWh)	Width (m)
Smart Fortwo	1125	0.8	19	1.66
Mitsubishi I-Miev	1160	0.3	16	1.47
Smart Forfour	1200	0.4	17.6	1.55
Volkswagen Up	1235	0.4	36.8	1.65
BMW I3	1345	4.9	42.2	1.78
Mini Cooper	1365	1.7	32.6	1.82
Fiat 500	1405	0.5	42	1.68
Volkswagen Golf	1485	2.4	35.8	1.79
Nissan Leaf	1505	20.7	40	1.79
Honda E	1527	0.3	35.5	1.75
Vauxhall Corsa	1530	1.5	50	1.77
Peugeot 208	1530	1.3	50	1.75
MG 5	1562	0.9	50.3	1.82
Renault Zoe	1577	7.7	55	1.79
Vauxhall Mokka	1598	0.5	50	1.79

EV	Kerb Weight (kg)	% of licensed vehicles	Battery capacity (kWh)	Width (m)
Hyundai Ioniq	1602	2.0	40.4	1.89
Citroen C4	1616	0.3	50	1.83
MG ZS	1620	2.3	72.6	1.8
Peugeot 2008	1623	1.2	50	1.77
Mazda Mx-30	1720	0.3	35.5	1.79
Kia Niro	1739	3.8	69	1.83
Kia Soul	1757	0.9	67.1	1.8
Hyundai Kona	1760	2.4	67	1.8
Tesla Model 3	1900	13.3	82	1.85
Volkswagen ID3	1952	2.7	82	1.81
Tesla Model Y	1995	1.0	82	1.92
Polestar 2	2000	0.9	111	1.86
Kia EV6	2015	0.3	77.4	1.88
Mercedes EQA Class	2105	0.8	78	1.83
Tesla Model S	2160	5.6	100	1.99
Mercedes B Class	2175	0.3	70	1.83
Jaguar I-Pace	2208	4.2	90	2.01

EV	Kerb Weight (kg)	% of licensed vehicles	Battery capacity (kWh)	Width (m)
Audi Q4	2215	0.6	82	1.87
Ford Mustang Mach-E	2238	0.5	75.7	1.88
Volkswagen ID4	2239	0.7	82	1.85
Skoda Enyaq	2255	0.5	82	1.87
BMW IX3	2260	0.5	80	1.89
Porsche Taycan	2395	1.3	93.4	1.97
Tesla Model X	2455	2.4	100	2
Mercedes EQC Class	2495	1.5	86	1.88
Audi E-Tron	2695	2.9	95	1.98

Table 2: Kerb weight of commonly used ICEVs in the UK [72]

ICEV	Kerb weight (kg)
Citroen C1	770
Ford Ka	846
Hyundai I10	921
Fiat 500	960
Ford Fiesta	979

ICEV	Kerb weight (kg)
Vauxhall Corsa	980
Peugeot 208	980
Volkswagen Up	980
Nissan Micra	1037
Audi A1	1090
Peugeot 107	1180
Mini One	1225
Audi A3	1225
Honda Jazz	1228
Mini Cooper	1230
Peugeot 207	1231
Volkswagen Golf	1264
Vauxhall Astra	1265
Toyota Yaris	1290
Nissan Qashqai	1300
Toyota Corolla	1360
Volkswagen Passat	1454
Ford Mondeo	1456

ICEV	Kerb weight (kg)
BMW 3 Series	1545
Audi A4	1555
Ford Kuga	1564
BMW 5 Series	1595
Honda CRV	1614
Land Rover Freelander	1805
BMW X3	1875
BMW X5	2295
Land Rover Discovery	2298
Land Rover Range Rover Sport	2385