

EV Comparison

Generated on 29 January 2026

Kia

Dina's Car

58 kWh • 2018

Tesla

Model Y

78 kWh • 2024



Vehicle Info

Make	Kia	Tesla
Year	2018	2024
Purchase Price	£12,600	£53,500



Battery & Range

Capacity	58 kWh	✓ 78 kWh
Age	8 years	✓ 2 years
Est. Health	Est. 82%	✓ 93%
Usable Capacity	47 kWh	✓ 73 kWh
WLTP Range	180 mi	✓ 330 mi



Efficiency

Official	✓ 3.4 Wh/mi	4.2 Wh/mi
Real-world	2.8 Wh/mi	3.6 Wh/mi
Heat Pump	No	✓ Yes



Journey Cost • Ideal

Costs calculated for 100 mi

Home	✓ £0.02	£0.03
Public	✓ £0.18	£0.23
Per mi	✓ £0.000	£0.000



Journey Cost • Mild Winter (0 to 5°C / 32 to 40°F)

Costs calculated for 100 mi

Home	✓ £0.02	£0.03
Public	✓ £0.23	£0.27
Per mi	✓ £0.000	£0.000



Journey Cost • Typical Winter (-7 to 0°C / 20 to 32°F)

Costs calculated for 100 mi

Home	✓ £0.03	£0.03
Public	✓ £0.25	£0.29
Per mi	✓ £0.000	£0.000



Journey Cost • Severe Winter (<-7°C / <20°F)

Costs calculated for 100 mi

Home	✓ £0.03	£0.03
Public	✓ £0.26	£0.32
Per mi	✓ £0.000	£0.000



Charging Speeds

AC Speed	✓ 7 kW	7 kW
DC Speed	80 kW	✓ 250 kW
10-80% Time	~36 min	✓ ~15 min



Notes

Kia Dina's Car

The only real data here is the name of the person who owns the car. All the other data is made up for preview purposes only.

Tesla Model Y

This is a sample calculation. The results you see do not necessarily reflect the actual figures of an actual car. These are just done for mockup purposes.

Sources:

Battery Health: [Geotab](#) • [Recurrent Auto](#)

Winter Efficiency: [DOE/NREL](#) • [AAA](#) • [Recurrent](#) • [Autocar UK](#)