

# 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	230.0 Wh/mi
Real-world	2.8 Wh/mi	280.0 Wh/mi
Heat Pump	No	✓ Yes



### Journey Cost • Ideal

Costs calculated for 100 mi

Home	✓ £0.02	£1.96
Public	✓ £0.15	£15.40
Per mi	✓ £0.000	£0.020





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

Costs calculated for 100 mi

Home	✓ £0.02	£2.25
Public	✓ £0.19	£17.71
Per mi	✓ £0.000	£0.023



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

Costs calculated for 100 mi

Home	✓ £0.03	£2.45
Public	✓ £0.21	£19.25
Per mi	✓ £0.000	£0.025



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

Costs calculated for 100 mi

Home	✓ £0.03	£2.65
Public	✓ £0.22	£20.79
Per mi	✓ £0.000	£0.026



### 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](#)