2024 Tesla Model Y Long Range RWD 77.8 kWh

Created on: Jan 7, 2026 9:02 pm
Location: Los Angeles County, California, United States
State of Charge: 23 %
Outside temperature: 63 °F
Battery temperature: 82 °F

No issue, healthy battery

92 %

State-of-Health

Actual usable battery capacity compared to new

294

Estimated range (Miles)

Estimated range based on SOH and EPA values

24475

Odometer (Miles)

Total distance driven shown by the odometer

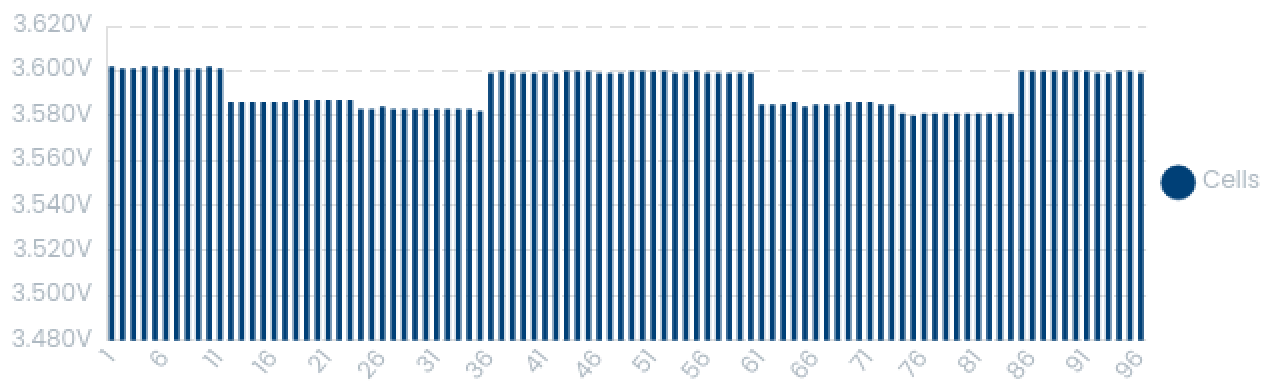
Fast: 43%
Slow: 57%

Fast VS Slow charges

Fast charges have bigger impact on battery health

Battery Pack - cells condition

Battery Pack - cells condition



3.602

Cell V Max

HIghest voltage value of cell pack

22 mV

Cell Imbalance

HIghest voltage value of cell pack

3.580

Cell V Min

Lowest voltage value of cell pack

Imbalance Health rating ★★★★☆

FAQ

State-of-Health (SOH): This indicates the overall health of the battery. It's calculated by comparing the battery's current capacity to its original capacity when new. A higher percentage means the battery is closer to its original state.

Cell Imbalance:
A high cell imbalance (over 40 mV) often indicates battery degradation. Here's what it could mean:

- **Module Replacement:** If a block of columns shows consistently higher values, it may suggest one or more modules were replaced. This causes some imbalance, but it's less severe than faulty cells.
- **Faulty Cell:** If one or more columns are much lower than the average, it likely indicates faulty cells. These significantly affect battery performance and reliability. It's best to avoid cars with this issue.

Wh/Mile: This value reflects the total energy used by the battery, both in (charge, such as regenerative braking) and out (discharge). This also includes energy consumed by the air conditioning, auxiliary services, sentry mode (for Teslas), and other systems—not just driving. A higher value indicates more overall usage and stress on the battery.

Number of Fast Charges: This tracks how often the battery has been charged using fast-charging stations. Frequent fast charging can put more stress on the battery, leading to faster wear over time.

Number of Slow Charges: This tracks how often the battery has been charged at slower rates (e.g., home charging). Slow charging is gentler on the battery and helps preserve its health over the long term.