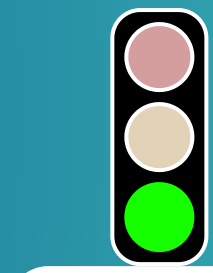
VOLTEST

VIN: 5YJXXXXXXXXXXXXXX
Certficate ID: VLTCRT-00149

2022 Tesla Model 3 Standard Range 60.5 kWh

Created on: Apr 23, 2025 2:30 pm
Location: Raleigh, NC, United States
Current State of Charge: 100 %
Outside temperature (when tested): 11.5 °C
Battery temperature (when tested): 10.5 °C



No issue, healthy battery

87 %

State-of-Health

Actual usable battery capacity compared to new

369

Estimated range (km)

Estimated range based on SOH and EPA values

91138

Odometer (kilometers)

Total distance driven shown by the odometer

Fast: 61%
Slow: 39%

Fast VS Slow charges

Fast charges have bigger impact on battery health

The diagnostic data has been generated using Voltest's proprietary algorithms. Please note that these results may differ from the manufacturer's diagnostic data and are not intended to serve as a basis for any claims against the manufacturer.

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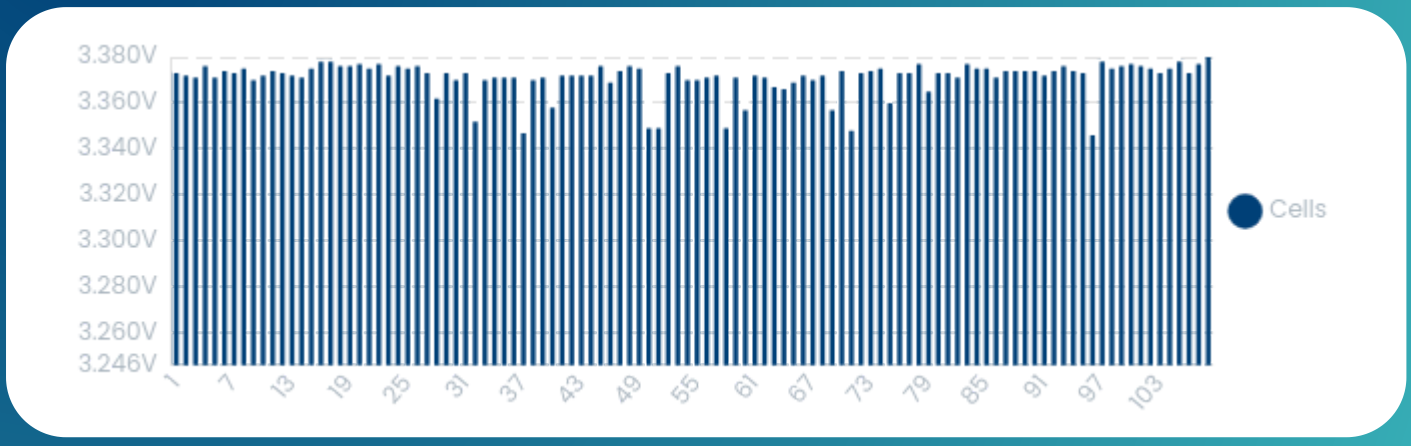
Battery Pack - cells condition

Cell condition has the biggest influence on battery health. Check for imbalances and overall voltage levels



3.380
Cell V Max
HIghest voltage value of cell pack

34 mV
Cell Imbalance
Cell imbalance affects the overall performance of the battery the most

3.346
Cell V Min
Lowest voltage value of cell pack

Imbalance Health rating ★ ★ ★ ☆ ☆

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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.

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