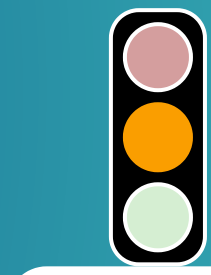
Battery certificate referred to VIN: 5YJYGDEF7MF252550
Car model: Tesla Model Y Performance 82.1 kWh
Certficate ID: VLTCRT-0054

General EV information

The most important facts about this Tesla Model Y Performance 82.1 kWh



Potential issue, check details

Creation date and time: October 23rd, 2024, 12:18
Location: Pinellas County, Florida, United States
State of Charge (when tested): 70 %
Outside temperature (when tested): 30.5 °C / 87 °F
Battery temperature (when tested): 30.5 °C / 87 °F

79 %

%SOH

Battery State-of-Health is the most important factor

81539

Odometer (Miles)

Total distance driven shown by the odometer

377

Wh/mi

Average energy consumption of this battery

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hello@getvoltest.com

Scoutit Inc.
120 Saint Albans Dr
Raleigh, NC 27609

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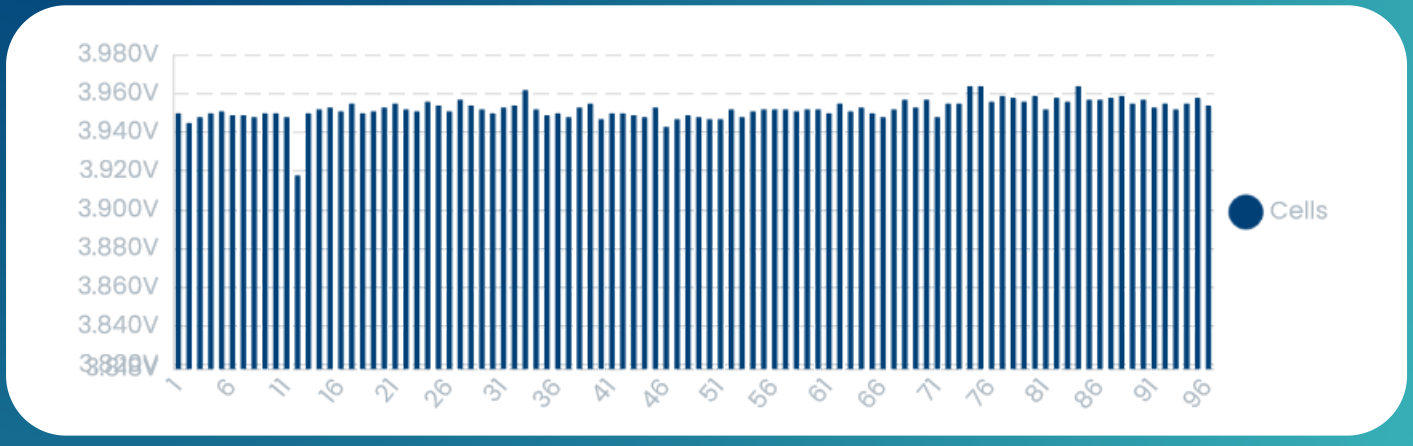
Battery Pack - cells condition

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



3.964
Cell V Max
Highest voltage value of cell pack

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

3.918
Cell V Min
Lowest voltage value of cell pack

Imbalance Health rating ★ ★ ☆ ☆ ☆

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Charging history

Number of fast DC charges. These have higher impact on battery health

Number of slow AC charges. These have low impact on battery health

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 reflects the total energy used by the battery, including 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.