


### Battery State of Health Report

|                               |                       |                            |                   |                   |
|-------------------------------|-----------------------|----------------------------|-------------------|-------------------|
| <b>Vehicle:</b>               | Make: <u>Fiat</u>     | Model: <u>500e</u>         | Trim: <u>Base</u> | Year: <u>2017</u> |
| VIN: <u>3C3CFFGE7HT575795</u> | Colour: <u>Silver</u> | Odometer: <u>48,200 km</u> |                   |                   |

**What is SOH:**

The state of health (SoH) of lithium-ion batteries and battery packs must be monitored effectively to prevent failure and accidents, and to prolong the useful lifetime of the batteries. Many studies have suggested that temperature and discharge/charge current rate are the primary factors causing battery aging. However, due to the complex and often poorly understood internal dynamics of lithium-ion batteries, no reliable mathematical models to predict the battery SoH are available.

GoElectric is providing you with all the data we can get, so you can make an informed decision purchasing an Electric Car from us.

| Raw Data   | State of Health   |
|--|---|
|  <p><b>AlfaOBD Demo</b></p> <p><b>System status</b></p> <p>Balance time during Cycle (Plug In): 0 sec<br/> Balance time during Cycle (Plug In) (EEPROM): 452.08 H<br/> Balance Power (P(4V<sup>2</sup>/R)* # of cells balancing): 0.00 W<br/> Energy lost to balance (EEPROM): 1.34 kWh<br/> Target SOC differential at the end of balance: 0.39 %<br/> SOC differential at the end of balance: 0.39 %<br/> Balance Status: Disabled<br/> Predicted battery voltage during cranking V2:<br/> HV Battery Sleep Time: 0.20 H<br/> HV Battery Counter control Open Time: 1.20 H<br/> Full AmpH Capacity: 57.40 Ah<br/> Remaining Amp-Hr Capacity: 48.80 Ah<br/> HV Bat SOH: 100.00 %<br/> HV Bat SOH-R: 99.61 %<br/> HV Bat SOH-C: 88.24 %<br/> Remaining AmpH Capacity V: Valid<br/> Full AmpH Capacity V: Valid<br/> Batt Side Voltage from OBCM: 0.00 V<br/> Impact Response:<br/> LifeTime Number of Battery disabled due to impact open command from EVCU: 0<br/> LifeTime Number of Battery disabled due to Received Impact &amp; EVCU timer expired: 0<br/> LifeTime Number of Battery disabled due to Loss of Comm: 0<br/> Delay Start of impact detection timer: 0.50 sec<br/> (Timer1) KE Delay For EVCU Command on Impact: 0.60 sec<br/> (Timer2) KE Delay For Impact Loss Of Communication: 0.30 sec<br/> (Timer3) KE Delay Impact Loss Of Communication detection: 0.20 sec<br/> (Timer4) KE Delay For BCH Command: 1.20 sec<br/> (Timer5) Ke Number Valid Consecutive Impacts: 0.03 sec<br/> (Timer1) Ee RealTime wait for EVCU Command open: 0.00 sec<br/> (Timer2) Ee RealTime wait for Impact Loss Of Communication: 0.00 sec<br/> (Timer3) Ee RealTime wait for Impact Loss Of Communication detection: 0.00 sec<br/> (Timer4) Ee RealTime wait for For BCH Command: 0.00 sec<br/> (Timer5) Ee RealTime wait for Valid Consecutive Impacts: 0.00 sec<br/> (Timer6) Ee RealTime wait for Post ImpOpn Request Delay: 0.00 sec<br/> Battery is disabled due to impact: No<br/> Reason why disabled - Impact open command from EVCU: No<br/> Reason why disabled - Received Impact &amp; EVCU timer expired: No<br/> Reason why disabled - Loss of Communication: No<br/> Impact Response:<br/> Delay Start of impact detection timer: 0.50 sec<br/> (Timer1) KE Delay For EVCU Command on Impact: 0.50 sec<br/> (Timer2) KE Delay For Impact Loss Of Comm: 0.30 sec<br/> (Timer3) KE Delay Impact Loss Of Comm detection: 0.20 sec<br/> (Timer4) KE Delay For BCH Command: 1.20 sec<br/> (Timer5) Ke Number Valid Consecutive Impacts: 0.03 sec</p> | <p><b>Battery State of Health:</b></p> <p><b>88.24%</b></p> <p>Source:<br/>AlphaOBD</p> |