Shop Name: --
Tel: --
Email: --
Address: --

Report ID: MAXIA20260319060745
Test Time: 2026-03-19 06:07:45
Test Id: 1773853653223192967

BMW iX xDrive50(I'I20) 2020-2025 SOH Deep Test

Vehicle Information

2020-2025/BMW/iX xDrive50(I'I20)
VIN: WBY22CF090CN22876
Battery power: 111.5kWh
Odometer Reading: 33105km
License Plate: DRF283GUI
Battery Code: --

Customer Information

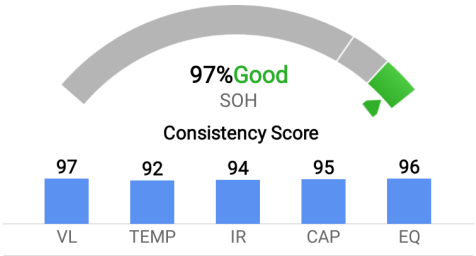
Name: Guido
Tel: --

Device Information

Scanner: MaxiSys Ultra EV
Version: 5.67
Serial Number: V3DGR6C01016
Repair Order Number: --

Power Battery Status

Report Overview



SOH	97%
Current estimated driving range after full charge	612km
New vehicle's range on a full charge(WLTP)	630km

Last charging session	Start	End
Time	2026-03-19 06:07	2026-03-19 12:02
SOC	19%	83%
Min voltage	3.49V	4.049V
Max voltage	3.493V	4.059V
Max temperature	21°C	28°C
Min temperature	21°C	25°C

* SOH: SOH (State of Health) is a key indicator that measures the degree of performance degradation of a battery relative to its initial condition. SOH = current capacity of the fully charged vehicle/nominal capacity of the new vehicle. Lower SOH will result in a shorter range after a full charge of the vehicle. It is generally believed that when SOH is less than 80%, lithium batteries are not suitable for vehicle use.

* WLTP: The range on a full charge is the estimated range that a vehicle can travel after a full charge. Weather, road conditions, driving habits and other factors can have a large impact on the range. The range on a full charge is measured in accordance with the Worldwide Harmonised Light Vehicle Test Procedure (WLTP) to ensure that the data can be used as a reference.

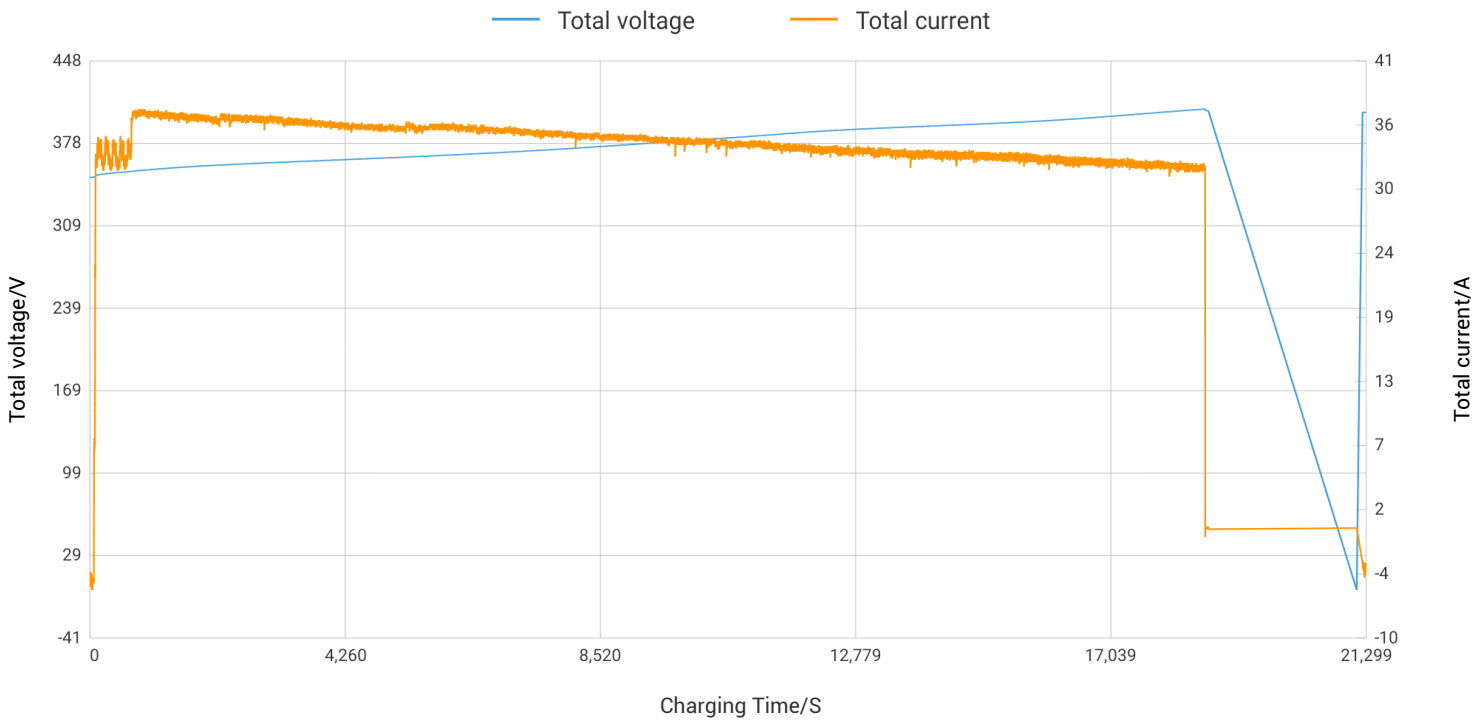
* Consistency Score: The consistency of power battery mainly reflects the degree of difference in characteristics among the cells and the degree of difference in temperature variation of the battery pack during the evaluation process, and the evaluation result affects the performance, stability and battery life of the power battery system. A score within [80-100] indicates excellent consistency, and it is recommended to keep it up; a score within [60-80] indicates good consistency, and regular battery maintenance is recommended; a score within [0-60] indicates poor consistency, and further battery module check and repair such as battery balancing is recommended.

Report Details

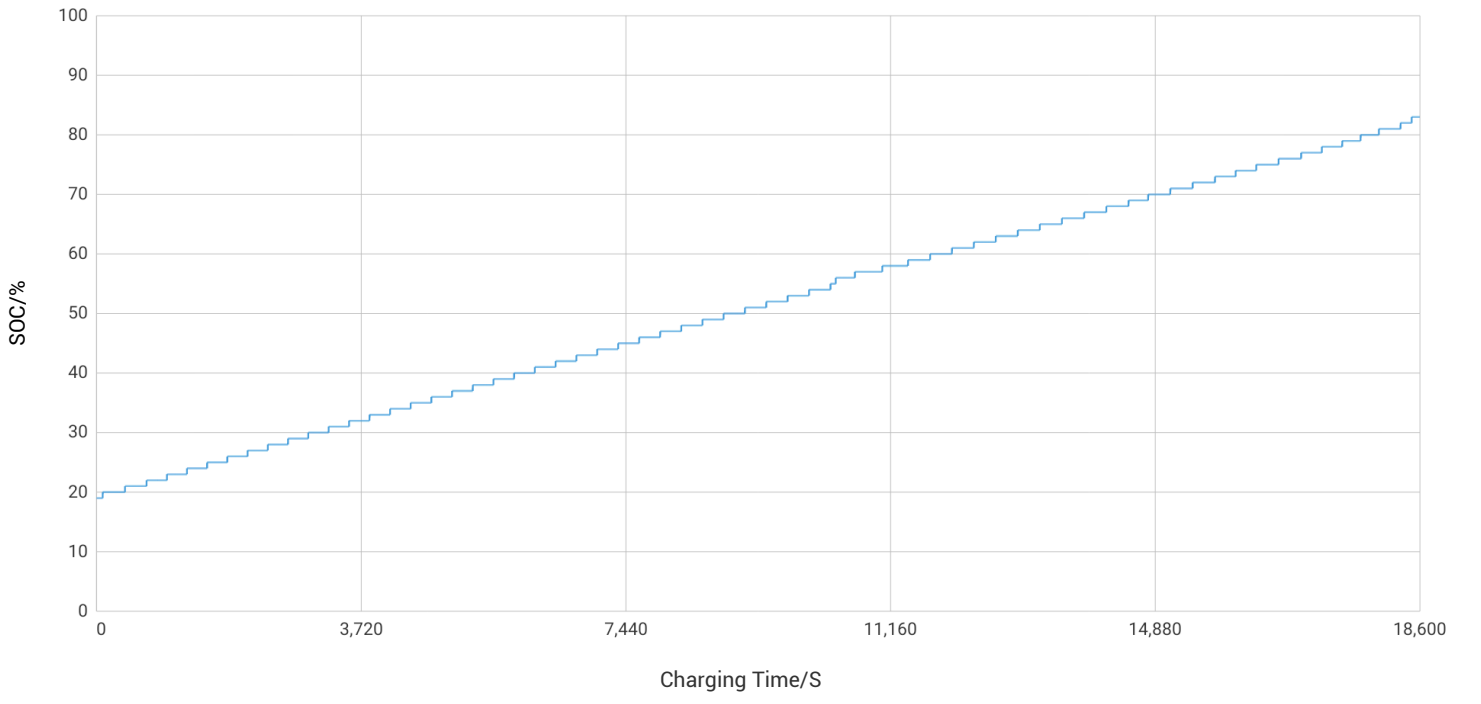
VIN	WBY22CF090CN22876
Odometer	33105km
Charge start time	2026-03-19 06:07
Charge end time	2026-03-19 12:02
Voltage consistency score (VL)	98
Temperature consistency score (TEMP)	93

Resistance consistency score (IR)	95
Capacity consistency score (CAP)	95
Energy consistency score (EQ)	96
Max charge temperature	28°C
Min charge temperature	21°C
Average charge temperature	24°C
Max temperature delta	4°C
Max temperature rise	0.4°C
Max voltage delta	13mV
Max voltage rise	29mV/min
Battery SOH	97%
Battery capacity available	295Ah
Battery charged capacity	177Ah
Battery SOC at evaluation start	19%
Battery SOC at evaluation end	83%
Min cell voltage at evaluation start	3.49V
Max cell voltage at evaluation start	3.493V
Min cell voltage at evaluation end	4.049V
Max cell voltage at evaluation end	4.059V
Average charge current	34A
Max charge current	37A

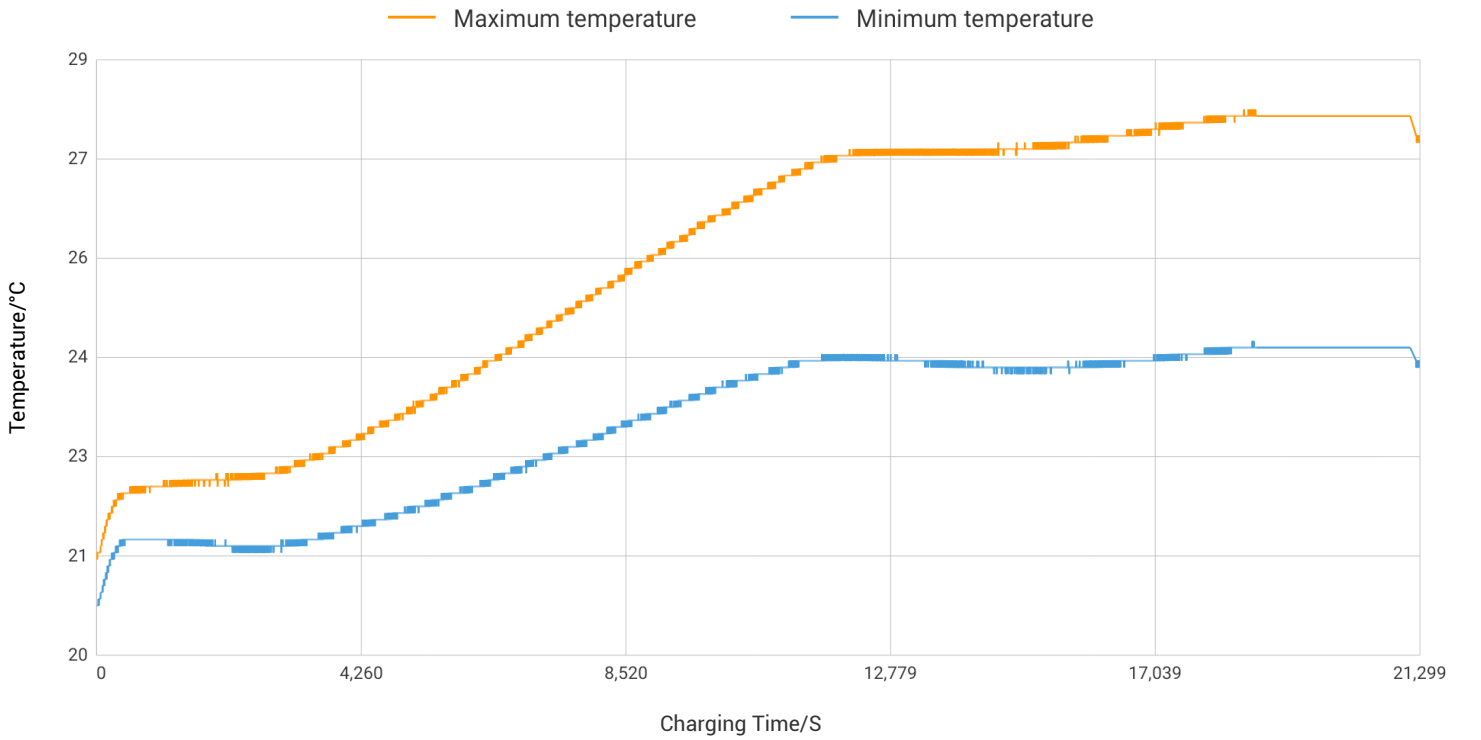
Change Curves of Total Voltage and Total Current During Charging



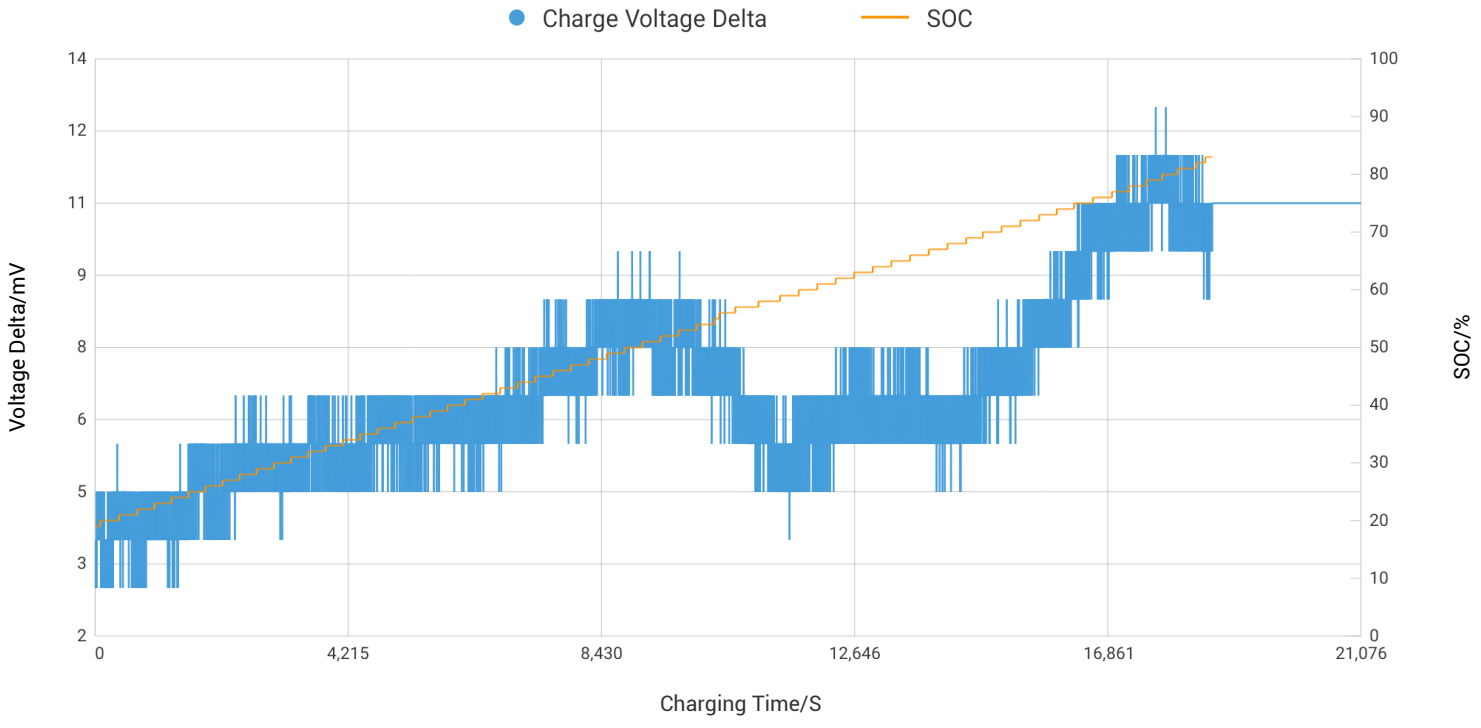
SOC Change Curve During Charging



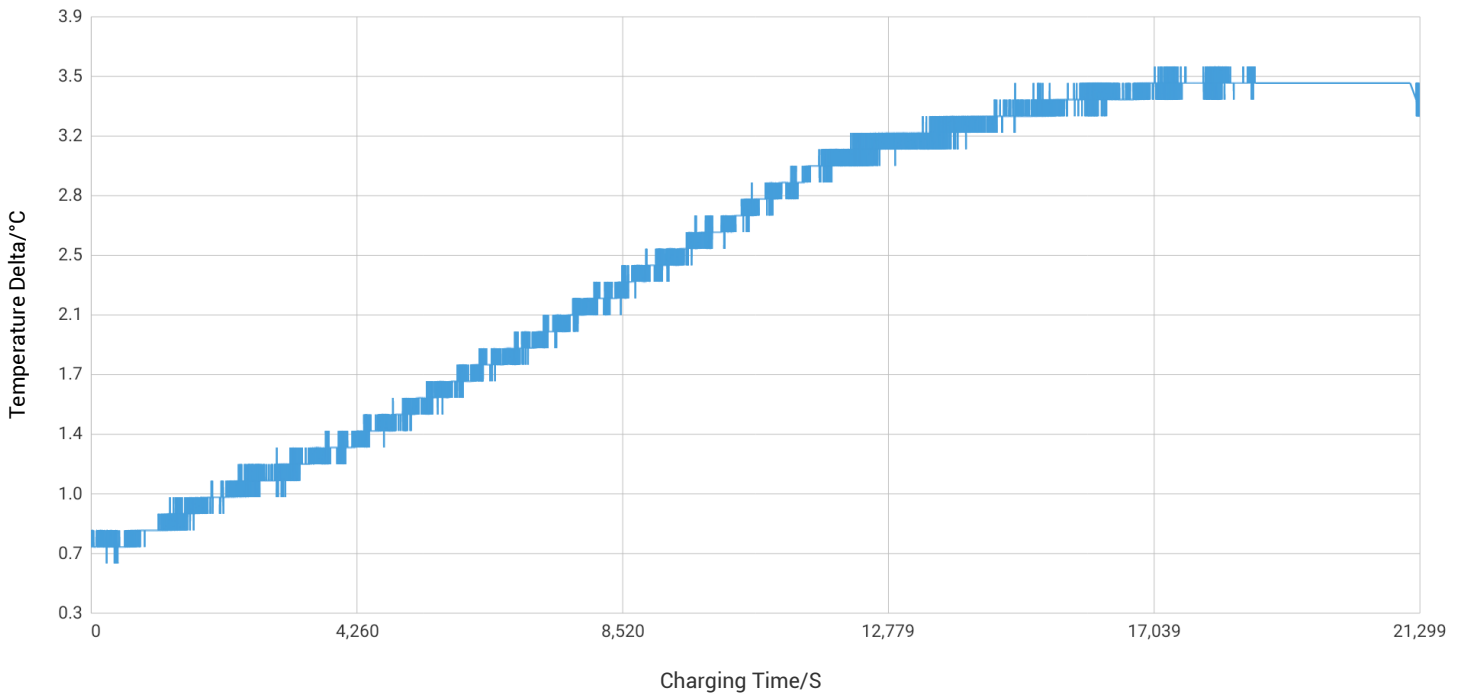
Change Curves of Min. and Max. Temperatures During Charging



Change Curves of SOC and Voltage Delta During Charging



Temperature Delta Change Curve During Charging



Customer name: _____

Technician: _____

Date: _____

Note: Please save a copy of this report for your records.