Carscanner - The most important data points at a glance

This overview helps you to quickly find and correctly interpret the most important vehicle data in the Carscanner app.

Structure by control unit - Quickly find the relevant area
Practice-oriented selection - Only relevant and meaningful data points.
For analysis & optimization - Use the values to better understand your Skoda electric car.

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This document was created to help you use the Carscanner app. I run the YouTube channel “Speicher elektrisiert” and share my knowledge about Skoda electric vehicles with the community.

Note / Disclaimer
These values were determined by the Carscanner app and have not been officially confirmed by Skoda. Therefore, there may be deviations or incorrect calculations. Nobody knows exactly which OBD data points Carscanner queries or whether these data points are correct.
This document is for information purposes only. The use of an OBD adapter, the Carscanner app or other apps to read out data and the interpretation of the data is at your own risk. All information without guarantee.

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High voltage Battery

Energy, content and similar stuff

[8C.BMS] State of charge BMS	internal SoC of the Battery Management System
[8C.BMS] State of charge Display	SoC shown on the display of the ENYAQ
[8C.BMS] Total accumulated charge (kWh)	complete amount of charging incl. recuperation
[8C.BMS] Total accumulated discharge (kWh)	complete amount of discharged energy
[19.Gate] Maximum energy content of the traction battery	calculated and estimated value of the possible maximum energy of the battery
[19.Gate] HV Battery energy content	calculated and estimated value of the actual energy content
[8C.BMS] Dynamic limit for charging in ampere	maximum actual current which can be applied when charging (gets lower the higher the SoC, also influenced by temperature)

Temperature, Heating, Cooling

[8C.BMS] Battery inlet temperature	Temperature of the cooling/heating liquid at the inlet to the battery housing
[8C.BMS] Battery outlet temperature	Temperature of the cooling/heating liquid at the outlet from the battery housing
[8C.BMS] Battery minimum temperature	lowest value of all 24 temperature measuring points
[8C.BMS] Battery maximum temperature	Highest value of all 24 temperature measuring points
[8C.BMS] Battery temperature	Average temperature of the battery
[8C.BMS] HV Battery: circulation pump flow	Pump that pumps the cooling/heating fluid through the circuit
[8C.BMS] PTC heater battery current	If a current is present here, the cooling/ heating fluid is actively heated
[8C.BMS] HV Battery temp point 1-24	All 24 temperature measuring points of the battery have a data point to read out
[8C.BMS] HV Battery PTC heating medium Temperature #1	Current temperature of the battery's cooling/ heating fluid

Power, Voltage, Current

[8C.BMS] DC Battery Power	The current power of the battery. Positive values mean discharged, negative values mean charged. Corresponds to the value ‘HV EV Battery Power’ The ‘P (power)’ from the power formula P = U * I
[8C.BMS] DC Battery voltage	The current total voltage of the battery, the ‘U (lat. urgere)’ from the power formula
[8C.BMS] DC Battery Current	The current currently applied to the battery. The ‘I (French: intensite du courant)’ from the power formula
[8C.BMS] HV Battery cell with highest voltage	highest voltage that a cell of the battery has
[8C.BMS] HV Battery cell with lowest voltage	Lowest voltage that a cell of the battery has
[8C.BMS] Dynamic limit for discharging in ampere	Maximum current that can be applied to the battery during discharge. decreases as the SoC decreases.
[8C.BMS] HV Battery cell voltage #001-108	The voltage of each individual cell in the battery
[8C.BMS] Battery max SoC cell %	Highest SOC of a cell
[8C.BMS] Battery min Soc cell %	Lowest SOC of a cell

12V Battery

[19.Gate] 12V Battery voltage	Voltage of the 12V battery
[19.Gate] 12V Battery current	Current current applied to the battery
[19.Gate] 12V Battery SoC	SoC of the 12V battery
[19.Gate] 12V Battery temperature	Temperature of the battery
[19.Gate] 12V Battery aging by capacity	SoH (State of Health = maximum capacity due to age)

Motor and driving

[01.ENG] Motor RPM	Speed of the rear engine
[01.ENG] Front drive actual torque	Torque on the front axle
[01.ENG] Rear drive actual torque	Torque on the rear axle
[01.ENG] Acceleration	Acceleration force of the vehicle in g

Air conditioning and comfort

[08.HVAC] A/C Compressor Speed	Current speed of the air conditioning compressor
[08.HVAC] Cabin humidity	Interior humidity (usually provides strange values)
[08.HVAC] Cabin temperature	Current interior temperature (sometimes incorrect values)
[08.HVAC] Outside temperature	Current outside temperature
[08.HVAC] CO2 content interior	only available for ENYAQ with heat pump (as these have CO2 as a coolant and therefore a possible leak must be monitored)
[08.HVAC] A/C compressor power consumption: actual value	Power consumption of the air conditioning system