

# Qashqai e-POWER

Model: J12

## Battery performance and durability, Article 10, Regulation (EU) 2023/1542



Parameter	Value	Explanation
Rated capacity	6 Ah	Capacity(Ah) is divided energy(Wh) by the nominal battery voltage
Capacity fade	34 %	The value indicated relates to maximum decrease in Rated Capacity after 14 years or 190,000 km of normal customer use in European market. This value may vary depending on driving style, charging behavior, and environmental factors. No Warranty implication can be derived from and of the information provided.
Power	71.3 kW	Available maximum power at SOC80% of new battery condition at room temperature
Power fade	2.8 %	The value indicated relates to maximum decrease in Maximum Power after 14 years or 190,000 km of normal customer use in European market. This value may vary depending on driving style, charging behavior, and environmental factors.
Internal resistance	0.203 $\Omega$	Internal resistance under SOC 80% of new battery condition.
Internal resistance increase	33 %	Upper of decrease not exceeding after 14 years or 190,000 km of normal customer use in European market, this increase may vary depending on driving style, charging behavior, and environmental factors.
Energy round trip efficiency	99.4 %	Energy round trip efficiency under new battery condition, this value indicates energy loss during battery discharge and charge process.
Energy round trip efficiency fade	0.14 %	The value indicated relates to maximum decrease in Energy round trip efficiency after 14 years or 190,000 km of normal customer use in European market. This value may vary depending on driving style, charging behavior, and environmental factors.
Expected life-time	14 years 190,000 km	The indicated guide value is based on the period of time or mileage for which the battery manufacturer has evaluated performance fade. Total service life may vary depending on driving style, charging behavior, and environmental factors. No Warranty implication can be derived from and of the information provided.