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Data provision in accordance with EU Regulation 2023/1542 on Batteries and Waste Batteries

Article 10 of EU Regulation 2023/1542 requires manufacturers to provide particulars about relevant battery parameters. This document outlines the current vehicle-specific performance and durability parameters as well as the associated boundary conditions according to Article 10 of the EU Battery Regulation 2023/1542. The list only contains vehicle models sold after 18/8/2024.

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Boundary conditions for 48V battery:

Parameter	Technical specification	Explanation for customers
Rated capacity [Ah]	Test current/C rate: 1 C, Temperature: 25°C New battery condition	This value applies to the new battery condition.
Capacity fade [%]	Max. 8 years or max. 200,000 km, normal customer behaviour*, European market	The value indicated relates to predicted, normal customer behaviour after 8 years and varies depending on driving style, charging behaviour, stationary periods and environmental influences.
Peak power [W]	Peak power at 50% SOC (state of charge), 10 s pulse duration Temperature: 25°C, new battery condition	This value applies to the new battery condition. SOC: State of charge of the battery
Power fade [%]	Peak power at 50% SOC (state of charge), max. 8 years or max. 200,000 km normal customer behaviour*, European market	The value indicated relates to predicted, normal customer behaviour after 8 years and varies depending on driving style, charging behaviour, stationary periods and environmental influences.
Internal resistance [Ω]	Temperature: 25 °C SOC (state of charge): 50%, duration: 10 s, 100 A New battery condition	This value applies to the new battery condition.
Internal resistance increase [%]	Max. 8 years or max. 200,000 km, normal customer behaviour*, European market	The value indicated relates to predicted, normal customer behaviour after 8 years and varies depending on driving style, charging behaviour, stationary periods and environmental influences.
Expected service life [years]	Limited to max. 200,000 km, normal customer behaviour*, European market	The indicated reference value for product service life is based on predictions of normal customer behaviour. The actual service life can however vary depending on individual driving style, charging behaviour, stationary periods and environmental influences. No warranty claims can be derived from the expected service life prediction.

*Normal customer behaviour generally includes all customer-typical driving style. Atypical driving styles, such as regular racetrack-like driving styles or predominant stationary mode, are excluded.

The values indicated here are valid for the above-mentioned boundary conditions.

Vehicle	Type code	48V battery	Rated capacity [Ah]	Capacity fade [%]	Peak power [W]	Power fade [%]	Internal resistance [Ω]	Increase in internal resistance [%]	Expected service life [years]
Countryman C, Countryman S ALL4, Countryman D	11GA, 12GA, 21GA, 21KM, 22GA, 61GA	Gen2.0	20	less than 50%	20,000	less than 15%	0.008	less than 15%	8 years

SOCE

The battery condition (SOCE, State of Certified Energy) indicates the percentage of momentarily available energy compared to the maximum usable energy in the new vehicle. To read out the current battery condition for your vehicle, please log into MINI Connected using your MINI ID:

https://www.mini.de/de_DE/shop/ls/cp/connected-drive

You can request a digital vehicle archive in the CarData portal. You will receive a table of all the stored telematics data, including the SOCE and the time of the last recording. The SOCE parameter is indicated as the "Battery condition of the 48V battery (SOCE)".

Performance and durability parameters of 48V batteries