

EUBR 2023/1542 Article 10: Performance and durability requirements for LMT

1) Part A		External battery eX1 (e185)	iX2+ Battery pack	iX3+ Battery pack	iX2 Battery pack	iX3 Battery pack	MAHLE X35 Inner battery	MAHLE X35 Range extender	2) Part B
		24010400000000	23010400000000	23010400001000	23010400000100	23010400001100	22010300000110	X3531000002002	
			23010500000000	23010500001000	23010500000100	23010500001100	22010300000210		
							22010300000310		
1	Rated Capacity	4.73	6.6	9.8	6.6	9.8	6.6	6.0	(*)IEC61960-3
	Capacity fade	30%	30%	20%	30%	20%	30%	30%	After 500cyc
2	Power [W]	174	237	352.8	237.6	352.8	237	216	Nominal currect x Nominal voltage
	Power fade	30%	30%	20%	30%	20%	30%	30%	
3	Internal resistance [Ω]	0.459*	0.1346	0.08701	0.1297	0.08958	0.1346	0.1325	(*)DCR (in Ω) : 0.5C-10sec at SOC50%
	Resistance increase	12%	7.92%	8.55%	9.75%	8.8%	7.92%	7.85%	After 500cyc
4	Where applicable, energy round trip efficiency and its fade [%]	99.9%	~ 98%	~ 98%	~ 98%	~ 98%	~ 98%	~ 98%	Discharge capacity/ Charge capacity
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar years.	500cyc/2.5years	500cyc/2.5years	500cyc/3.3years	500cyc/3.3years	500cyc/3.3years	500cyc/2.5years	500cyc/2.5years	



Performance &
Durability Batteries Info

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