

Specification Declaration Sheet

Article 10 - Regulation (EU) 2023/1542

No.	Item	Specification
1	Rated capacity (in Ah)	30.85 Ah ¹
2	Capacity fade (in %)	2 % per year
3	Power (in W, 25 °C)	1S: 2969.6 W 2S: 5939.2 W 3S: 8908.8 W 4S: 11878.4 W 5S: 14848 W
4	Charge power fade (in %)	2 % per year
5	Discharge power fade (in %)	0 %
6	Module internal resistance (in Ω , 25 °C)	0.09 Ω
7	Module internal resistance increase (in %)	0.5 % per year
8	Energy round trip efficiency (in %)	95 % ¹
9	Energy round trip efficiency fade (in %)	0.05 % per year
10	Room temperature calendar life (25 °C)	≥ 10 years / 80 % SOH
11	Room temperature cycle life (25 °C)	6000 cycles @ charge 0.5C – discharge 0.5C 94.5 % DOD, SOH ≥ 60 %;

¹ 0.2C CC (C = rated capacity, 0.2C = 6.17 A, constant current) charge to 3.55 V as cell (max.), then CV 3.55 V charge till charge current declines to 2 A or SOC = 100 %, then rest for 4 hours, then 0.2C discharge to 2.9 V as cell cut-off, then rest for 4 hours. Repeat the steps for 3 times and adopt the max. measured value.

SOH: State of health; **DOD:** Depth of discharge;

