



HW-38120HP

Technical Specification

Lithium iron phosphate battery

Specification

Nominal Voltage	3.2V
Nominal Capacity(0.5C,25°C)	8Ah
Weight(Approximate)	335 ± 5g

Standard Discharge

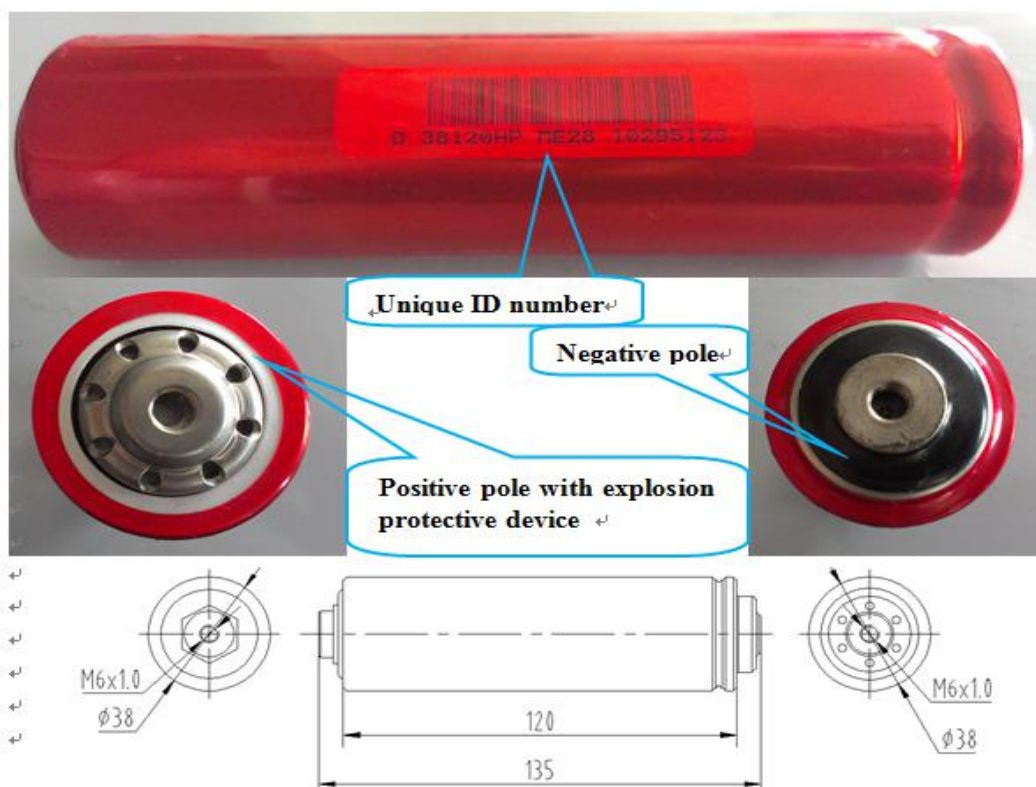
Recommended Discharge Current	40A
Max. Continuous Current	120A
Max. 30 sec. Pulse	240A
Cut-off Voltage	2.0V
Temperature rise @ 10C	≤20°C

Standard Charge

Charge Voltage	3.65V
Recommended Charge Current	24A
Max. Charge current	80A
Charge Time	15min (can be customized)
Temperature rise @ 5C	≤10°C

Others

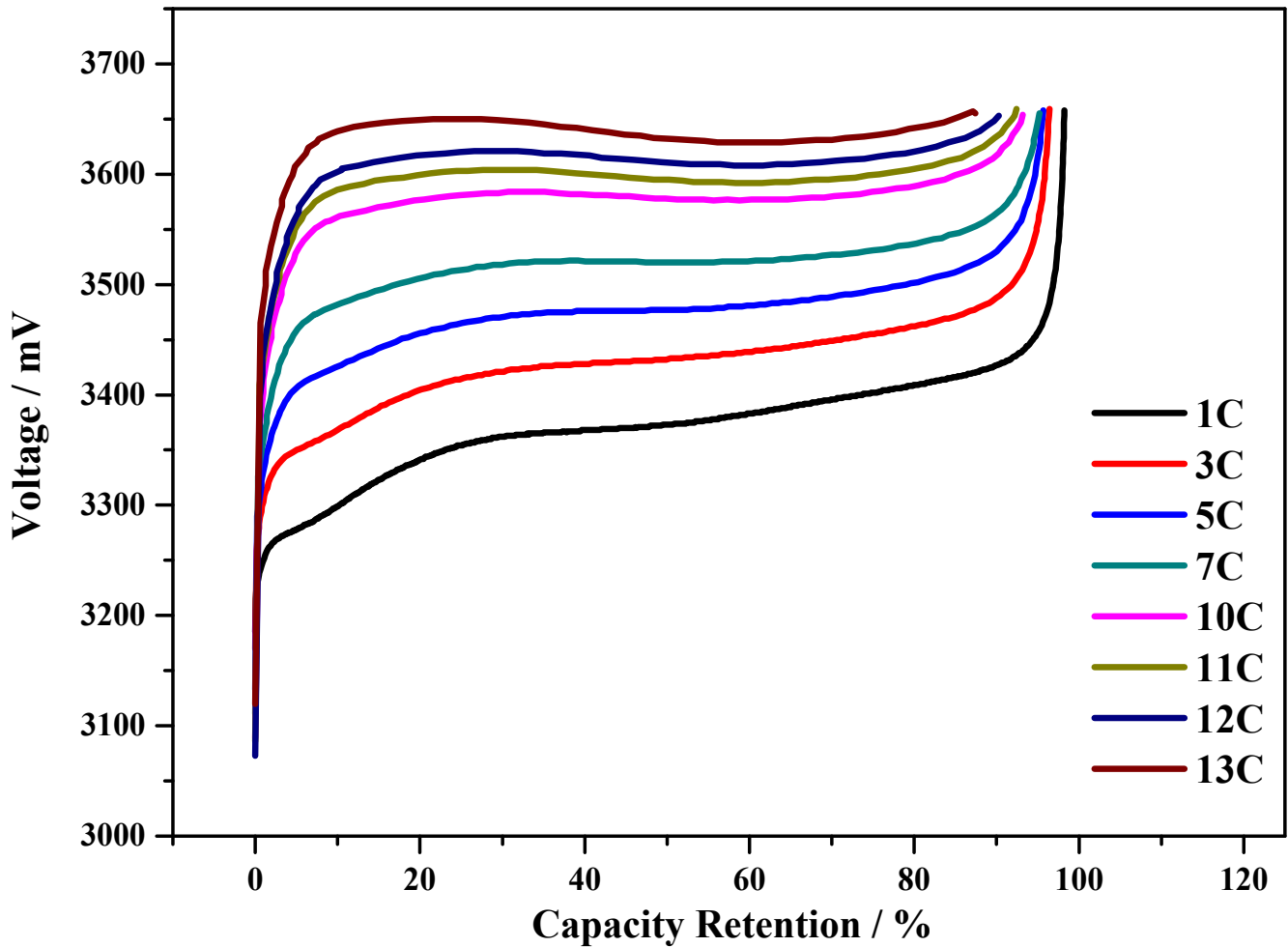
Internal Resistance	≤2.5mOhm
Self-discharge rate	≤2% per month
3C/3C cycle life	≥3000 Times
5C/5C cycle life	≥2000 Times

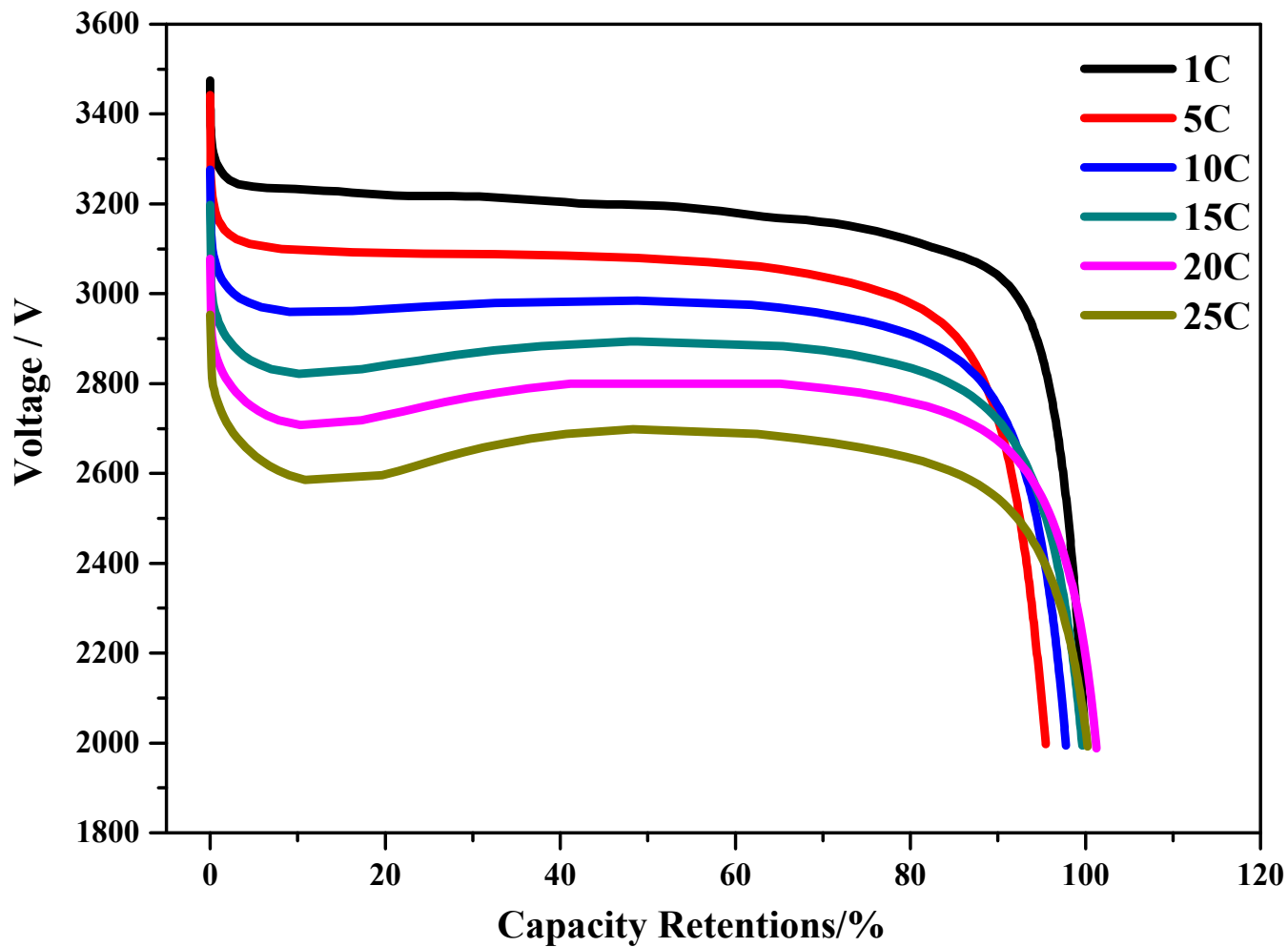


Check with the real products, the specifications are for reference only. It can be designed according to customer's requirements if necessary.

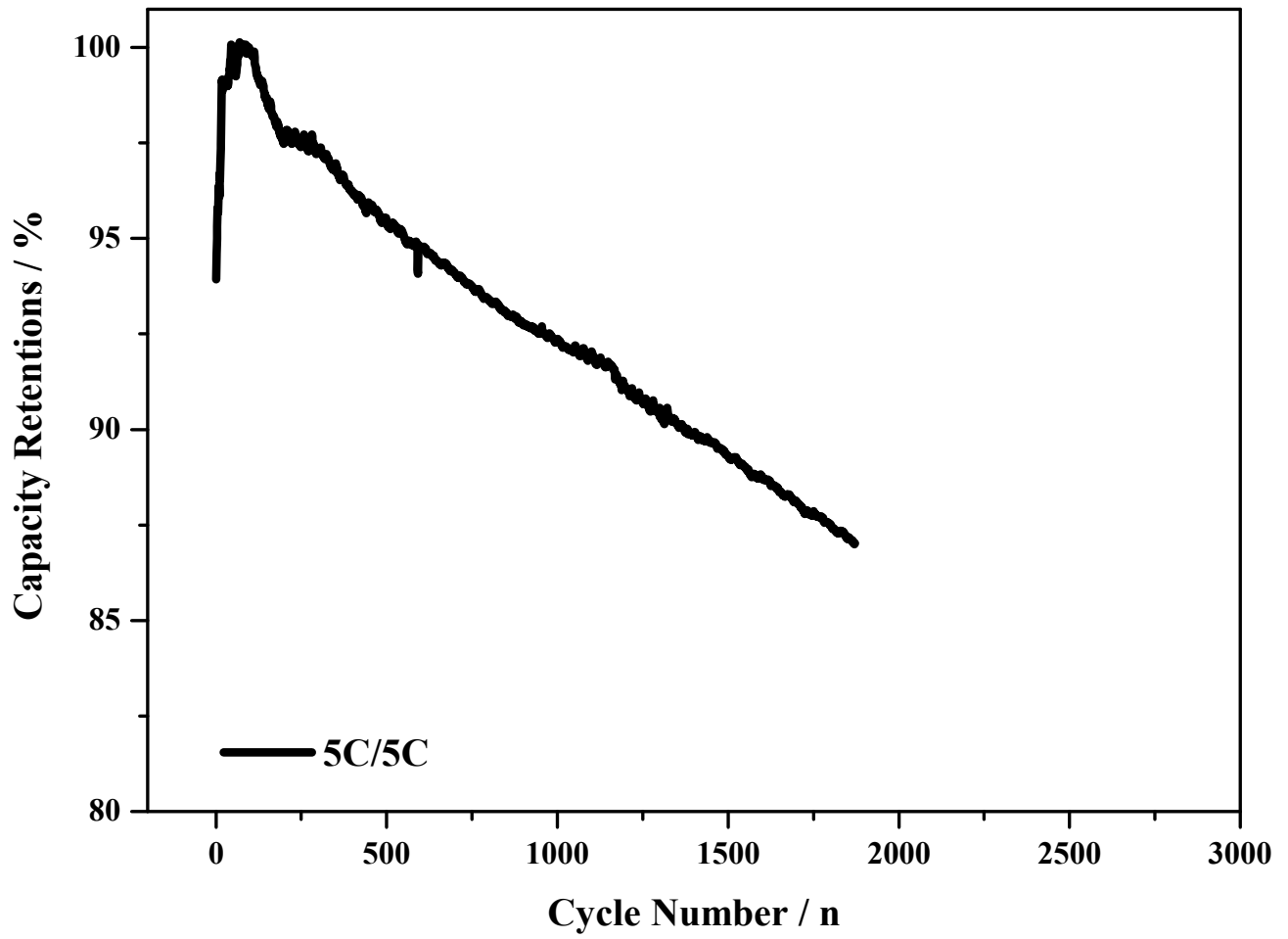
38120HP-8Ah Curve of Charge & Discharge at Different Rates

Charging Current (A)	1C(8A)	3C(24A)	5C(40A)	10C(80A)
Charging Time (min)	63.7	23.8	15.4	8.3
Charging Capacity (%)	8.08	8.13	8.29	8.40
Temperature Rise (°C)	1.1	4.3	8.2	16.1





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