

Product Specification

Li-ion Rechargeable Battery Pack

Type: 21.6V 2600mAh

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Date: 2022.03.07

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History change record:

[illegible]

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1. Scope

The specification describes the requirements for the lithium-ion rechargeable battery pack supplied by BMZ Company Limited.

2. Kind of Products Specified

2.1 Name	Li-ion Rechargeable Battery Pack
2.2 Cell Type	Murata US18650NC1 3.6V 2750mAh
2.3 Pack Model	6S1P 21.6V 2600mAh

3. Basic Characteristics(Ta=25℃)

3.1 Nominal Voltage	21.6V
3.2 Capacity	Minimum: 2600mAh (From 25.2V to 18.0V cut-off at current 50mA)
3.3 Charge Voltage	25.2V
3.4 Max Charge Current	3000mA
3.5 Charge Method	CC / CV (Constant Current / Constant Voltage)
3.6 End of charge off current	50mA
3.7 Max Discharge Current	6000mA
3.8 Discharge Cut-off Voltage	18V /pack
3.9 Operating Temperature:	Charge +5~ +40℃ Discharge -20 ~ +60℃
3.10 Storage Temperature	28days -20 ~ +60℃ 90days -20 ~ +45℃ 365days -20 ~ +25℃
3.11 Relative Humidity	65±20%
3.12 Certification items that the product satisfies:	UN38.3、PSE、CB、BSMI、UL

4. Appearance

Defects, such as crack, flaws, loose, rust, deformation, discoloration, leakage, etc., which damage commercial values shall not be presented.

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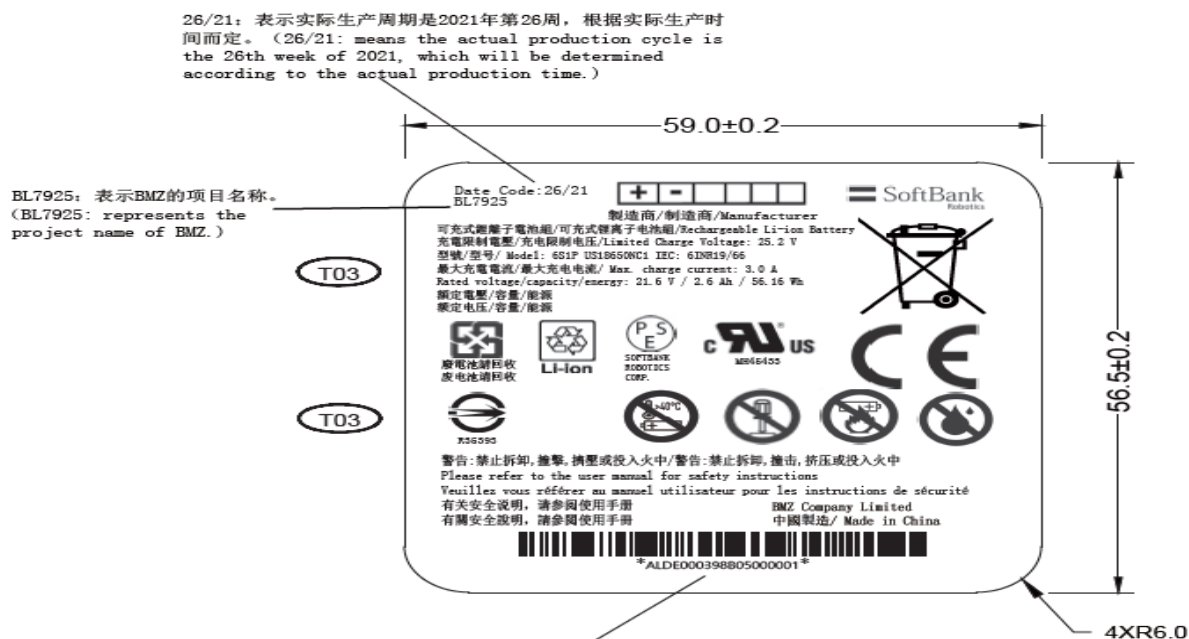
5. Notices:

- 5.1 Please read this specification carefully before testing or using the battery, in order to avoid the battery from failure, over-heat, electrolyte leakage, set fire or explosion;
- 5.2 In charging or discharging, please apply professional testing equipment; no use of general constant circuit and constant voltage power which is not able to restrict circuit and voltage in order to avoid battery failure and dangers;
- 5.3 Please do not put the battery with false direction of “+” “-” when charging or connecting with the equipment; otherwise the product will suffer from overcharging or over-discharging, and this will lead to battery failure or explosion.
- 5.4 Don't weld the battery directly, no opening of the battery.
- 5.5 In order to avoid short circuit, please don't put together the battery with metal stuff, such as necklaces, coins, barrettes, screws in bag or pocket, no connecting directly the “+” and “-” together with metal or other conductive materials.
- 5.6 No knocking, throwing or trampling the battery, not to mention put the battery in washing machines or high compress vessels.
- 5.7 Please keep the battery far away from heat source, such as fire, heater; don not store or use the battery under strong sunshine or high ambient temperature more than 60℃ , otherwise the battery will set fire or be overheated or failure.
- 5.8 Please don not damp the battery or put it into water; please keep the battery dry and be of low temperature in storage.
- 5.9 During the period of using, testing or storage, if the battery has been found got hot, expiring abnormal odors, changed color, transformed or in other unusual states, please stop relative handling at once, isolate the battery and keep away from it.
- 5.10 If the battery leaked and the electrolyte split into your eye, don't knead you eye, flush it with clean water at once, go to see a doctor in the case of be serious; if electrolyte splattered on your skin or clothes, please flush it with clean water.

6. PCB Electric Characteristics (Ta=25°C):.

6.1 Overcharge detection voltage:	4.35±0.05V
Overcharge release voltage:	4.10±0.05V
6.2 Over-discharge voltage protection :	2.40±0.05 V
Over-discharge release voltage:	3.50±0.05V
6.3 Over-current discharge protection :	6.0±0.2A
Over-current discharge protection delay time:	1000±500mS
6.4 Peak Over-discharge current protection:	14±2A
Peak Over-discharge current protection delay time:	5~15mS

7. Lable:



ALDE000398: 表示客户的产品型号, 内容固定不变。
(ALDE000398: represents the customer's product model, the content is fixed.)

B05: 表示客户的版本号, B05为带UL认证版本, 内容可变, 但是必须由客户决定是否变更版本号。
(B05: represents the customer's version number. B05 is UL certified version. The content is variable, but the customer must decide whether to change the version number.)

000001: 表示产品序列号, 从000001开始, 到999999结束不能有重复。
(000001: represents the serial number of the product, starting from 000001 and ending with 999999.)

8. PACK Drawing:

