

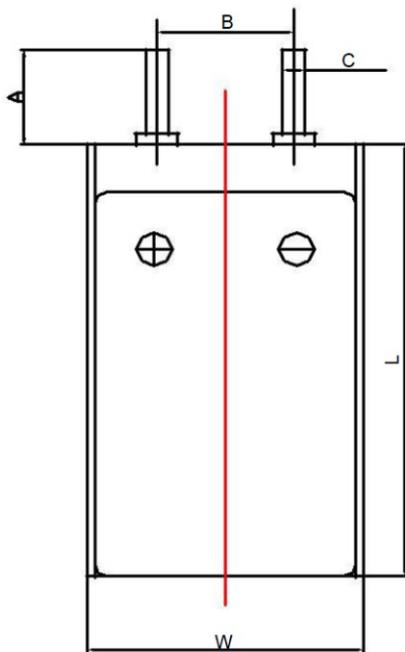
POLYMER LI-ION BATTERY PRODUCT SPECIFICATIONS

Polymer Lithium Ion Battery DXL-6060100-5000

1. Scope

This standard provides for the basic performance, technical requirements, testing methods and precautions of lithium polymer rechargeable batteries. This standard is only applicable to volts The lithium polymer battery produced by the company limited.

2. Initial Dimension



T	Max6±2mm
H	Max60±0.5mm
L	Max100±0.5mm
A	10±1mm
B	42±0.5mm
C	4±1mm

Cell Dimension LiTech Power Co., Ltd

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3. Specification

NO	Item	Specifications
1	Nominal capacity	5000 mAh @ 0.2C Discharge
2	min capacity	4950 mAh @ 0.2C Discharge
3	Nominal voltage	3.7V
4	Charge current	Standard Charge: 0.5C Rapid charge: 1.0C
5	Standard Charging method	0.5C CC (constant current) charge to 4.2V, then CV (constant voltage 4.2V) charge till charge current decline to $\leq 0.01C$
6	Charging time	Standard Charging Approx 5 hours Rapid charge Approx 2.5hours
7	Max.charge current	Constant Current 1C Constant Voltage 4.2V 0.01 C
8	Max.discharge current	Constant current 1 C end voltage3.0V
9	Standard Discharge Current	Constant current 0.2 C end voltage3.0V
10	Discharge cut-off voltage	3.0V
11	Charge cut-off Voltage	4.20V
12	Initial Impedance	$\leq 50m$
13	Weight	Approx: 80g
14	Operating temperature	Charging: 0°C~45°C Discharging: -20°C~60°C
15	Storage temperature	-5°C~35°C
16	Storage Humidity	$\leq 75\%$ RH
17	Standard environmental condition	Temperature: 23 \pm 5°C Humidity: 45-75%RH Atmospheric Pressure: 86-106 Kpa

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4. Warnings

To prevent the possibility of the battery from leaking, heating, fire please observe the following precautions:

The soft aluminum packing foil is very easily damaged by sharp edge parts such as Ni-tabs,pins and needles .Do not strike battery with any sharp edge parts.

Do not immerse the battery in water and seawater

Do not use and leave the battery near a heat source as fire or heater

When recharging, use the battery charger specifically for that purpose

Do not reverse the position and negative terminals

Do not connect the battery to an electrical outlet

Do not discard the battle in fire or heat it

The battery tabs are not so stubborn especially for aluminum tab. Do not bend tab.

Do not short-circuit the battery by directly connecting the positive and negative terminal with metal object such wire

Do not transport and store the battery together with metal objects such as necklaces, hairpins etc.

Do not strike or throw the battery.

Do not directly solder the battery and pierce the battery with a nail or other sharp object.

5. Cautions

Do not use or leave the battery at very high temperature (for example, at strong direct sunlight or a vehicle in extremely hot conditions).Otherwise,it can overheat or fire or its performance will be degenerate and its service life will be decreased.

Do not use it in a location where static electricity is great, otherwise, the safety devices may be damaged ,causing hidden trouble of safety.

If the battery leaks, and the electrolyte get into the eyes. Do not rub eyes, instead, rinse the eyes, with clean running water, and immediately seek medical attention. Otherwise, eye injury can result.

If the battery gives off an odor, generates heat, becomes discolored or deformed, or in any way appear abnormal during use, recharging or storage, immediately remove it from the device or battery charge and stop using it.

In case the battery terminals are dirt, clean the terminals with a dry cloth before use. Otherwise power failure or charge failure may occur due to the poor connection with the instrument.

Be aware discharged battery may cause fire or smoke, tape the terminals to insulate them.

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If the battery is stored for a long time, the battery storage should be 3.75V and the battery is to be stored in a condition, Temperature $23\pm 5^{\circ}\text{C}$, Humidity 45-75%RH

6. Period of Warranty

The period of warranty is half a year from the date of shipment. V cloud, guarantees to give a replacement in case of battery with defects proven due to manufacturing process instead of the customers abuse and misuse.

7. Others

7.1. If the customer needs to use the battery for equipment beyond the specified documents, or use the battery in conditions other than the specified documents, it should be in advance Contact the volt cloud merchant co.,LTD. Because of the need for specific experimental tests to verify the performance and safety of the battery under the conditions of use All sexual.

7.2. For any accident caused by the use of a battery outside of the specified conditions, the volt cloud merchant The limited company is not responsible

7.3.If necessary, the company will inform customers in writing of the improvements in the use of the battery.

7.4. Any item not mentioned in this manual shall be determined by the parties through consultationr for prevented excessively discharges the occurrence, the battery should maintain the certain electric quantity.

7.5 Storing the Batteries

The battery should store in the product specification book stipulation temperature range. If has surpasses above for six months the long time storage, suggested you should carry on additional charge to the battery.

8. Period of Warranty

The period of warranty is one year from the date of shipment. Shenzhen FuTeYunShang Co., Ltd. guarantees to give a replacement in case of cells with defects proven due to manufacturing process instead of the customers abuse and misuse.

9. Other The Chemical Reaction

Because batteries utilize a chemical reaction, battery performance will deteriorate over time even if stored for a long period of time without being used. In addition, if the various usage conditions such as charge, discharge, ambient temperature, etc. are not maintained within the specified ranges the life expectancy of the battery may be shortened or the device in which the battery is used may be damaged by electrolyte leakage. If the batteries cannot maintain a charge for long periods of time, even when they are charged correctly, this may indicate it is time to change the battery.

10. Note:

Any other items which are not covered in this specification shall be agreed by both parties.

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