Lithium-ion Polymer Battery
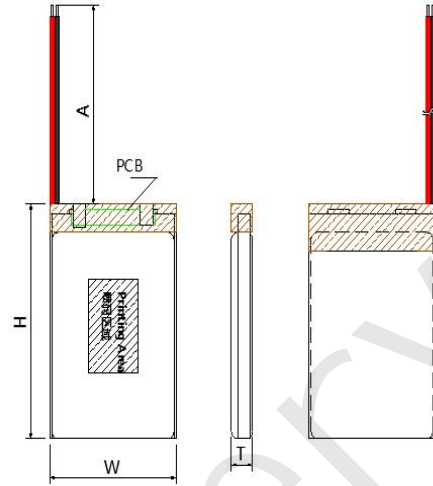
Model：UFX 124060 3600mAh 3.7V	Drawing Of Battery Pack

Electrica Characteristic

Nominal Capacity (0.5C Cont., 2.75V cut-off)	3600mAh
Nominal Voltage	3.7 V
Resistance	≤120 mΩ
Cycle Life@0.5C/0.5C@25±5 ℃	>300 times
Self Discharge Rate	≤3% per month@25℃

Mechanical Characteristic

Typical Weight	65.8 g
Dimensions	T12×W40×H62 mm
Wire	UL1007 24AWG
Connector	

Typical Applications

- Beauty Devices
- Healthcare Devices
- Smart Device
- Digital Productions
- Wearable Devices
- Power Tools

Charging&Discharge Characteristic

Standard Charge Current	720 mA
Max. Continous Charge Current	1800 mA
Charge Cut-off Voltage	4.2 V
Standard Discharge Current	720 mA
Max. Continous Disharge Current	1800 mA
Disharge Cut-off Voltage	2.75 V

Temperature Characteristic

Discharge Temperature	-20~60 ℃
Charge Temperature	0~45 ℃
Recommend Storage Temperature	15~35 ℃

PCM Specification

Over-charge Protection Voltage	4.280±0.050 V
Over-discharge Protection Voltage	2.400±0.100 V
Over-current Protection for Discharge	3.2±0.5 A
Short Circuit Protection	Available
NTC	No

Certificates

MSDS

UFine

Custom Battery Manufacturer

Guangdong Ufine New Energy Co.,Ltd

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Building 41,Xinhang Road, Jiangmen,China

Typical Performance

Curve Of Different Discharge Rate

Charge: CC-CV, 0.5C, 4.2V, 0.02C cut off@25°C
Discharge:CC, 0.2C/0.5C/1.0C, 2.75V cut off

Discharge Curve At Different Temperature

Self Discharge Curve At Different Temperature

After standard charging, store cell @ 25°C

70% SOC   100% SOC

Cycle Life Curve

Charge: CC-CV, 0.5C, 4.2V, 0.02C cut off@25°C
Discharge: CC, 0.5C, 2.75V cut off @25°C
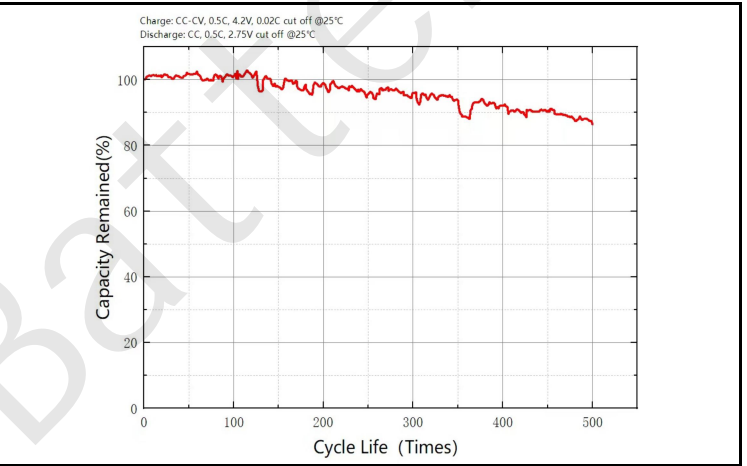
Charging Characteristic

Temperature: 25±5°C
Charge Conditions: 0.5C to 4.2V, 0.05C cutoff

Warning and Cautions

Warning

Danger warning(it should be described in manual or instruction for users, indicated especially) to prevent the possibility of the battery

from leaking, heating, explosion. Please observe the following precautions:

- Don't immerse the battery in water and seawater. Please put it in cool and dry environment if no using.

- Do not discard or leave the battery near a heat source as fire or heater.

- Being charged, using the battery charger specifically for that purpose.

- Don't reverse the positive and negative terminals.

- Don't connect the battery to an electrical outlet directly.

- Don't connect the positive and negative terminal directly with metal objects such as wire. Short terminals of battery is strictly prohibited, it may damage

  battery.

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

- Do not strike, throw or trample the battery.

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

- Prohibition of use of damaged cells.

- Don't fall, hit, bend battery body。

- Battery pack designing and packing Prohibition injury batteries。

- Never disassemble the cells.

- Keep the battery away from babies.

Cautions

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

- Do not use it in a location where is electrostatic and magentic greatly, 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 wipe eyes, instead, rinse the eyes withclean water, and immediately seek medical

  attention. Otherwise, eyes 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 charger 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.

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