



AA Portable Power Corp

www.batteryspace.com, Email: Sales@batteryspace.com

Lithium-ion Polymer Battery

Product Specification

Model: CU-J479-V2



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1、 Scope

This product specification is for lithium-ion polymer battery. Please use the test methods that recommended in this specification.

If the battery should be using at the environment that not preferred in this document, please contact us first and get our authorization.

It is claimed that we should have no responsibility with the contingency and loss due to the wrong usage (not preferred in the product specification).

2、 Product Type, Model and Dimension

2.1 Type: Lithium-ion battery

2.2 Model: CU-J479-V2

3、 Battery Specification

Item	Specification	Remark
Nominal Capacity	3200 mAh	0.2C ₅ A discharge
Nominal Voltage	3.7 V	Average Voltage at 0.2C ₅ A discharge
Maximum Voltage	4.2V	Average Voltage at 0.2C ₅ A discharge
Discharge cut-off Voltage	2.75V	Average Voltage at 0.2C ₅ A discharge
Charge Current	Standard: 0.2 C ₅ A or 640 mAh Max: 1C ₅ A or 3200 mAh	Working temperature: 0~45°C
Max Discharge Current	5000 mA	Working temperature: -20°C—60°C
Impedance	≤ 25 mΩ	AC 1KHz after 50% charge
10K thermistor		Part#CH-103AT-4-70374
Protection PCM	3.7V 5A	Part#PCB-S1A6
Storage temperature	≤1month	-20~45°C
	≤3month	0~30°C
	≤6month	20±5°C
Storage humidity	65±20% RH	Best 20±5°C for long-time storage
Dimension	6.5×85×55 mm, +/- 5mm	Thickness × Width × Length
Weight	Approx: 3oz	
Connector		Molex 51004-0300 connector
Wire		3" length 24 AWG
PVC		1 layer of thin PVC , Black
Transportation	30~50% charged states	
Maintenance	Charge every 6 months or Voltage below 2.75V	If battery voltage below 2.75V, charge immediately
UN 38.3 Test	Pass	5 th edition
IEC62133	Pass	2 nd edition



Recommendations to equipment manufacturers and battery assemblers

The following represents a typical, but non-exhaustive, list of good advice to be provided by the manufacturer of secondary cells and batteries to equipment manufacturers and battery assemblers.

- a) Do not dismantle, open or shred cells. Batteries should be dismantled only by trained personnel. Multicell battery cases should be designed so that they can be opened only with the aid of a tool.
- b) Do not short-circuit a cell or battery. Do not store cells or batteries haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials.
- c) Do not remove a cell or battery from its original packaging until required for use.
- d) Do not expose cells or batteries to heat or fire. Avoid storage in direct sunlight.
- e) Do not subject cells or batteries to mechanical shock.
- f) In the event of a cell leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
- g) Equipment should be designed to prohibit the incorrect insertion of cells or batteries and should have clear polarity marks. Always observe the polarity marks on the cell, battery and equipment and ensure correct use.
- h) Do not mix cells of different manufacture, capacity, size or type within a battery.
- i) Seek medical advice immediately if a cell or battery has been swallowed.
- j) Consult the cell/battery manufacturer on the maximum number of cells, which may be assembled in a battery and on the safest way in which cells may be connected.
- k) A dedicated charger should be provided for each equipment. Complete charging instructions should be provided for all secondary cells and batteries offered for sale.
- l) Keep cells and batteries clean and dry.
- m) Wipe the cell or battery terminals with a clean dry cloth if they become dirty.
- n) Secondary cells and batteries need to be charged before use. Always refer to the cell or battery manufacturer's instructions and use the correct charging procedure.
- o) Do not maintain secondary cells and batteries on charge when not in use.
- p) After extended periods of storage, it may be necessary to charge and discharge the cells or batteries several times to obtain maximum performance.
- q) Secondary cells and batteries give their best performance when they are operated at normal room temperature.
- r) Retain the original cell and battery literature for future reference.
- s) When disposing of secondary cells or batteries, keep cells or batteries of different electrochemical systems separate from each other.



Recommendations to the end-users

The following represents a typical, but not exhaustive list of good advice to be provided by the equipment manufacturer to the end-user.

- a) Do not dismantle, open or shred secondary cells or batteries.
- b) Do not expose cells or batteries to heat or fire. Avoid storage in direct sunlight.
- c) Do not short-circuit a cell or a battery. Do not store cells or batteries haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by other metal objects.
- d) Do not remove a cell or battery from its original packaging until required for use.
- e) Do not subject cells or batteries to mechanical shock.
- f) In the event of a cell leaking, do not allow the liquid to come in contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
- g) Do not use any charger other than that specifically provided for use with the equipment.
- h) Observe the plus (+) and minus (-) marks on the cell, battery and equipment and ensure correct use.
- i) Do not use any cell or battery which is not designed for use with the equipment.
- j) Do not mix cells of different manufacture, capacity, size or type within a device.
- k) Keep cells and batteries out of the reach of children.
- l) Seek medical advice immediately if a cell or a battery has been swallowed.
- m) Always purchase the correct cell or battery for the equipment.
- n) Keep cells and batteries clean and dry.
- o) Wipe the cell or battery terminals with a clean dry cloth if they become dirty.
- p) Secondary cells and batteries need to be charged before use. Always use the correct charger and refer to the manufacturer's instructions or equipment manual for proper charging instructions.
- q) Do not leave a battery on prolonged charge when not in use.
- r) After extended periods of storage, it may be necessary to charge and discharge the cells or batteries several times to obtain maximum performance.
- s) Secondary cells and batteries give their best performance when they are operated at normal room temperature ($20\text{ }^{\circ}\text{C} \pm 5\text{ }^{\circ}\text{C}$).
- t) Retain the original product literature for future reference.
- u) Use only the cell or battery in the application for which it was intended.
- v) When possible, remove the battery from the equipment when not in use.
- w) Dispose of properly.