

**Product Specifications**

Product Specifications

Type: Polymer Li-ion Recharged Battery Cell**Model:** DTP204843**Specification:** 3.70V/310mAh

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Product Specifications

Revise the history

Revision Num	Date	Revise the items
0.0	2025/08/06	Publishes for the first time-----



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Product Specifications

1. Scope

This specification shall be applied to the battery cell from Shenzhen Data Power Technology Limited's product.

2. Product Type and Product Model

2.1 Type: Polymer Li-ion Recharged Battery Cell

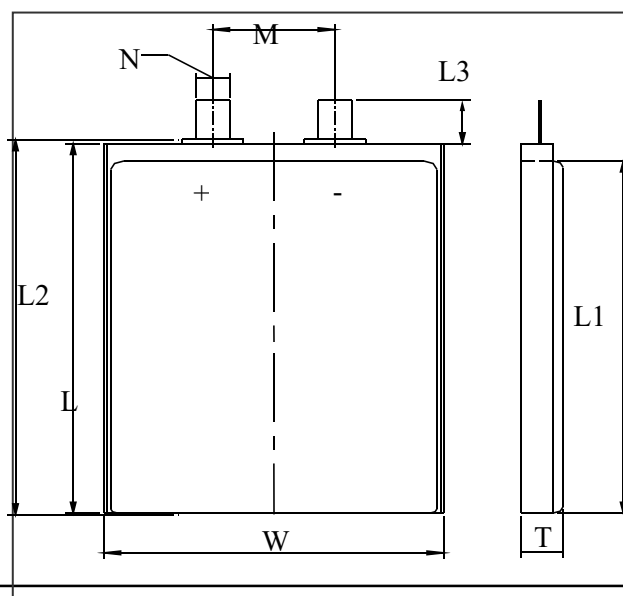
2.2 Model: DTP204843

3. Product Basic Characteristics

No	Item	Characteristics
3.1	Rated Capacity	310mAh
3.2	Minimum Capacity	310mAh
3.3	Nominal Voltage	3.70V
3.4	Charge Limited Voltage	4.20V
3.5	Discharge Cut-off Voltage	3.00V
3.6	End-of-charge Current	0.01C
3.7	Standard Charge	Charge with 0.2C(62mA) up to Limited Voltage , Charge with limited Voltage up to end-of-charge current.
3.8	Standard Discharge	Using 0.2C(62mA) constant current discharge to the Discharge Cut-off Voltage.
3.9	Maximum Continuous Charge Current	0.5C (155mA)
3.10	Maximum Continuous Discharge Current	1C (310mA)
3.11	Operating Temperature Range	Charge 0 ~ 45℃
		Discharge - 10 ~ 60℃
	Storage Temperature Range	-20 ~ 60℃
3.12	Operating And Storage Humidity Range	65±20% RH
3.13	Weight	Less than 6.5 g

4. Cell Dimension

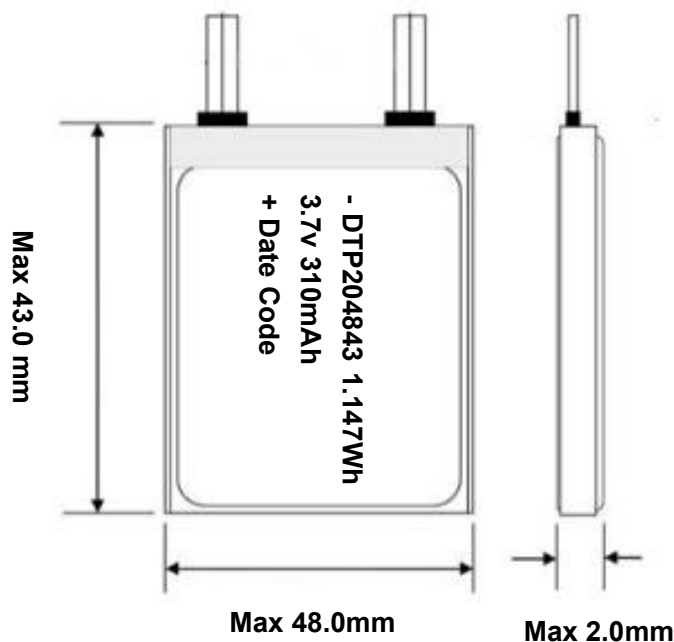
Item	Dimension (mm)
T	Max 2.0
W	Max 48.0
L	Max 43.0
L1	Max 39.5
L2	Max 43.3
L3	8.0±1.0
M	24.0±1.0
N	6.0±0.1





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5. External Dimension Drawing



6. Guarantee Period of Quality

Guarantee period of quality is 12 months after sold.

7. Matters needing attention

Strictly observes the following needing attention. Data Power will not be responsible for any accident occurred by handling outside of the precautions in this specification.

! Danger

- Strictly prohibits heat or throw cell into fire.
- Strictly prohibits throw and wet cell in liquid such as water、 gasoline or drink etc.
- Strictly prohibits use leave cell close to fire or inside of a car where temperature may be above 60℃. Also do not charge / discharge in such conditions.
- Strictly prohibits put batteries in your pockets or a bag together with metal objects such as necklaces. Hairpins, coins, or screws. Do not store or transportation batteries with such objects.
- Strictly prohibits short circuit the (+) and (-) terminals with other metals.
- Do not place Cell in a device with the (+) and (-) in the wrong way around.
- Strictly prohibits pierce Cell with a sharp object such as a needle.
- Strictly prohibits disassemble or modify the cell.
- Strictly prohibits welding a cell directly.
- Do not use a Cell with serious scar or deformation.
- Thoroughly read the user's manual before use, inaccurate handling of lithium ion rechargeable cell may cause leakage, heat, smoke, an explosion, or fire, capacity decreasing.



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! Warning

- Strictly prohibits put cell into a micro-ware oven, dryer, or high-pressure container.
- Strictly prohibits use cell with dry cells and other primary batteries, or new and old battery or batteries of a different package, type, or brand.
- Stop charging the Cell if charging is not completed within the specified time.
- Stop using the Cell if abnormal heat, odor, discoloration, deformation or abnormal condition is detected during use, charge, or storage.
- Keep away from fire immediately when leakage or foul odor is detected.
- If liquid leaks onto your skin or clothes, wash well with fresh water immediately.
- If liquid leaking from the Cell gets into your eyes, do not rub your eyes. Wash them well with clean edible oil and go to see a doctor immediately.

! Caution

- Before using the Cell, be sure to read the user's manual and cautions on handling thoroughly.
- Charging with specific charger according to product specification. Charge with CC/CV method. Strictly prohibits reversed charging. Connect cell reverse will not charge the cell. At the same time, it will reduce the charge-discharge characteristics and safety characteristics, this will lead to product heat and leakage.
- Store batteries out of reach of children so that they are not accidentally swallowed.
- If younger children use the Cell, their guardians should explain the proper handling.
- Before using the Cell, be sure to read the user's manual and cautions on handling thoroughly.
- Batteries have life cycles. If the time that the Cell powers equipment becomes much shorter than usual, the Cell life is at an end. Replace the Cell with a new same one.
- When not using Cell for an extended period, remove it from the equipment and store in a place with low humidity and low temperature.
- While the Cell pack is charged, used and stored, keep it away from objects or materials with static ele charges.
- If the terminals of the Cell become dirty, wipe with a dry clothe before using the Cell.
- Storage the cells in storage temperature range as the specifications, After full discharged, we suggest that charging to 3.9~4.0V with no using for a long time.
- Do not exceed these ranges of the following temperature ranges.
Charge temperature range : 0℃ to 45℃; Discharge temperature range : -10℃ to 60℃.(When using equipment)

8.Statement

If our specifications material, product process or product control system has changed, the information will be transmitted to consumer by way of written with quality and reliability data.