



TECHNICAL INFORMATION			
Rechargeable lithium-ion 18650 battery			
Model ATing 18650 3500mah	CONFIDENTIAL	V.	2022.09.01
	Shenzhen ATing Power Technology Co.,Ltd. 5/F, No. 2, Huike Industrial Park, Shiyan Community, Bao'an District, Shenzhen 518000, China TEL: +86 136 3287 3384/+86 755 8427 6510 FAX:+86 755 8427 6510		RV.01

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1. General information

This product specification defines the requirements for ATing brand rechargeable lithium-ion batteries. Rechargeable cylindrical lithium-ion battery 18650.

2. Technical specifications

ITEM	SPECIFICATION
DESIGNATION	Lithium-ion
NOMINAL VOLTAGE	3.7 Volts (nominal voltage) 2.5 Volts (final discharge voltage) 4.2 +/- 0.2V (charging voltage) 4.2 +/- 0.2V (charged voltage) 12.95Wh
ELECTROCHEMICAL SYSTEM	Li-Ion 0% mercury and cadmium
NOMINAL CAPACITY	Nominal 3500 mAh Continuous discharge current 10A
LOADING AND UNLOADING CYCLES	700 (given in voltage and amperage discharge and recharge capacity)
DIAMETER	Minimum: 18.0mm Maximum: 18.5mm
DIMENSIONS	Height: Max: 65.5mm Min: 49.2mm Diameter: Max:18.5mm Min: 18.0mm Positive terminal: Max: 11.0mm Min: 6.0mm
WEIGHT	50 grams, +/- 3 grams
TERMINALS	Electroplated with polarity indication.

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VARIATION IN TEMPERATURE AND CAPACITY	<p>Load Capacity 0°C to 45°C</p> <p>Download Capacity - 20°C to 60°C</p> <p>Storage - 20°C to 50°C</p>
PHYSICAL APPEARANCE	There will be no physical defects such as the following: Loss or leakage of electrolyte, bumps or bruises that deform or alter the dimensions of the cell, presence of corrosion on the terminals, deterioration of the battery casing that impairs the labeling.
EXTERNAL COATING	It is guaranteed that the jacket, outer surface, or external casing enclosing the cell is resistant and mechanically robust when subjected to friction between adjacent cells, and under no circumstances shall this material blister, flake, or peel.

3. Appearance and dimension

There shall be no defects such as deep scratches, cracks, rust, discoloration, or leaks that could adversely affect the commercial value of the cell.

Dimension

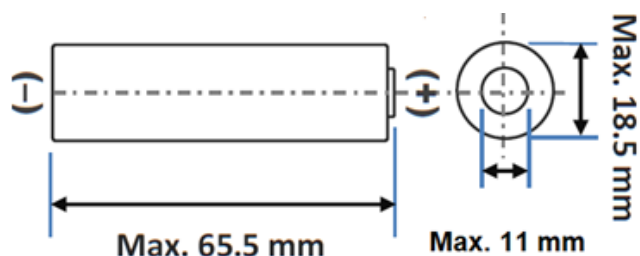
Positive terminal: Max. 11.0mm Min. 6.0mm


Height: Max. 65.5mm Min. 49.2mm

Diameter: Max. 18.5mm Min. 18.0mm

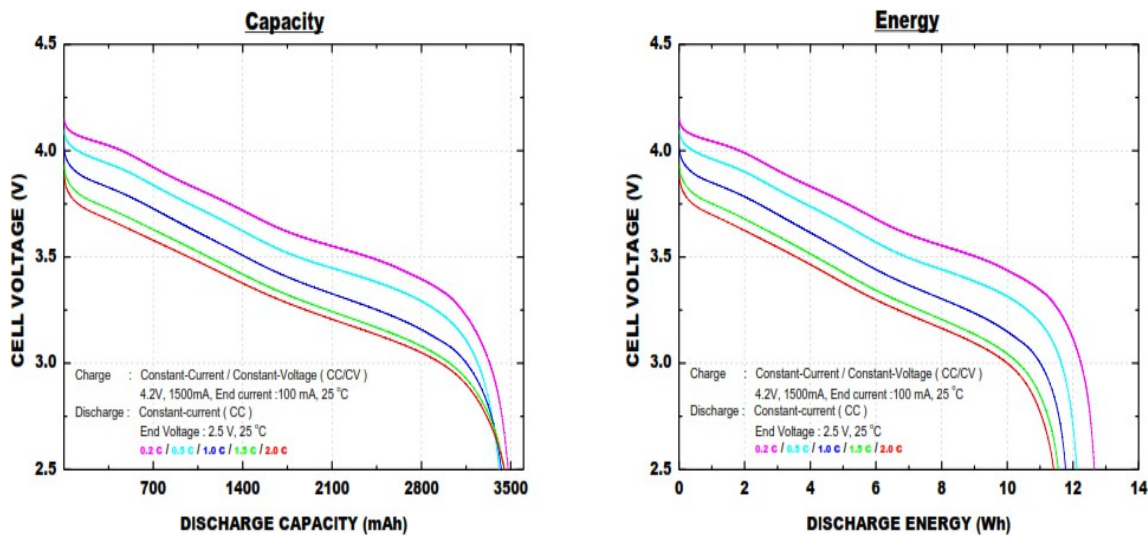
Weight:

50g ±3g



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3. Discharge characteristic curves



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