



Safer Vaping

PRODUCT SPECIFICATIONS

Product	Rechargeable Li-Ion Battery 21700
Product Name	Energig EC-2172HC
Model	EC-2172HC

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Application Scope

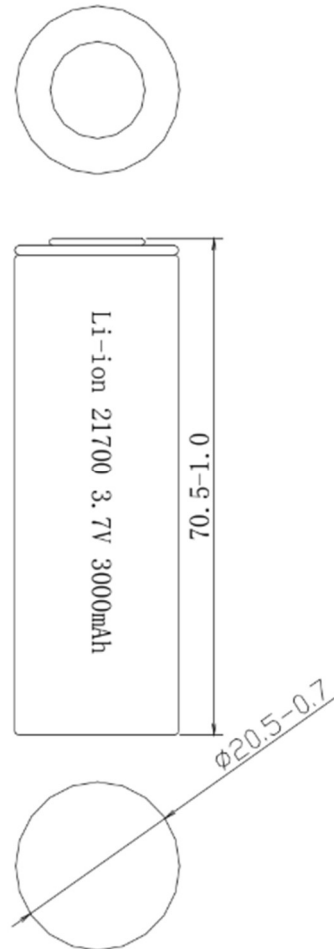
This product specification describes product performance indicators of a Li-Ion battery distributed by Enercig.

Model

EC-2172HC

Dimensions

Item	Dimension (mm)
H	70.50 - 71.00
Φ	20.50 – 20.70





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Major Technical Specifications

Item	Specifications	Notes
Typical Capacity	3030mAh	@ 0.2C Discharge
Minimal Capacity	3000mAh	@ 0.2C Discharge
Nominal Voltage	3.7V	
Standard Charge	CC/CV, 0.2C 5A, 4.20V	
Standard Discharge	CC, 0.2C 5A, 3.00V	
Alternating Internal Resistance	$\leq 18\text{m}\Omega$	
End-of-Charge Voltage	4.2 \pm 0.05V	
End-of-Charge Current	0.02C 5A	(At CV mode)
End-of-Discharge Voltage	3.0V	
Quick Charge Current	3.0A	(1.0C 5 rate) 1C
Quick Discharge Current	15A	(5.0C 5 rate) 5C
Max. Discharge Current	3.0A	(5.0C 5 rate) 10C
Initial Impedance	Max:18mOhm	
Operating Temperatures	Charge: 0°C ~ 45°C Discharge: -20°C ~ 60°C	
Storage Temperatures	-5°C ~ 35°C	Short-term storage (< 3 months)
Storage Humidity	$\leq 75\%$ RH	
Battery Weight	62 g (Approx.)	

Storage and Others

- 1. Long Time Storage:** If the battery is stored for a long time (more than three months), the battery should be stored in a dry and cool place. The battery should be charged and discharged every three months. The batteries' storage voltage should be 3.3~3.4V and the battery should be stored in a condition as NO.8.
- 2. Others:** Any matters that this specification does not cover should be consulted between the customer and the manufacturer



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Safety Instructions

Please read carefully and follow these instructions before using, to avoid damage to the battery and/or serious injuries caused by wrong use of the battery:

- Do not immerse the battery in water or seawater, and keep the battery in a cool dry surrounding if it stands by.
- Do not use or leave the battery at high temperature as fire or heater. Otherwise, it can overheat or fire or its performance will be degenerate and its service life will be decreased.
- Do not reverse the position and negative terminals.
- Do not connect the battery electrodes to an electrical outlet.
- Do not short circuit. Otherwise it will cause serious damage to the battery.
- Do not transport or store the battery together with metal objects such as hairpins, necklaces, etc.
- Do not strike, trample, throw, drop and shock the battery.
- Do not directly solder the battery and pierce the battery with a nail or other sharp objects.
- Do not use the battery in a location where static electricity and magnetic field is great, otherwise, the safety devices may be damaged, causing hidden trouble of safety.
- Use the battery charger specifically when recharging.
- If the battery leaks and the electrolyte gets into the eyes, do not rub the eyes, instead, rinse the eyes with clean water, and immediately seek medical attention. Otherwise, it may injure eyes.



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- If the battery gives off strange odor, generates heat, becomes discolored or deformed, or in any way appears abnormal during use, recharging or storage, immediately stop charging, using, and remove it from the device.
- In case the battery terminals are dirty, clean the terminals with a dry cloth before use. Otherwise poor performance may occur due to the poor connection with the instrument.
- Tape the discarded battery terminals to insulate them.