



Safer Vaping

PRODUCT SPECIFICATIONS

Product Description Li-ion rechargeable cylindrical battery cell 18650

Product Full Name EnerCig EC-C5A

Model EC-C5A



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Application Scope

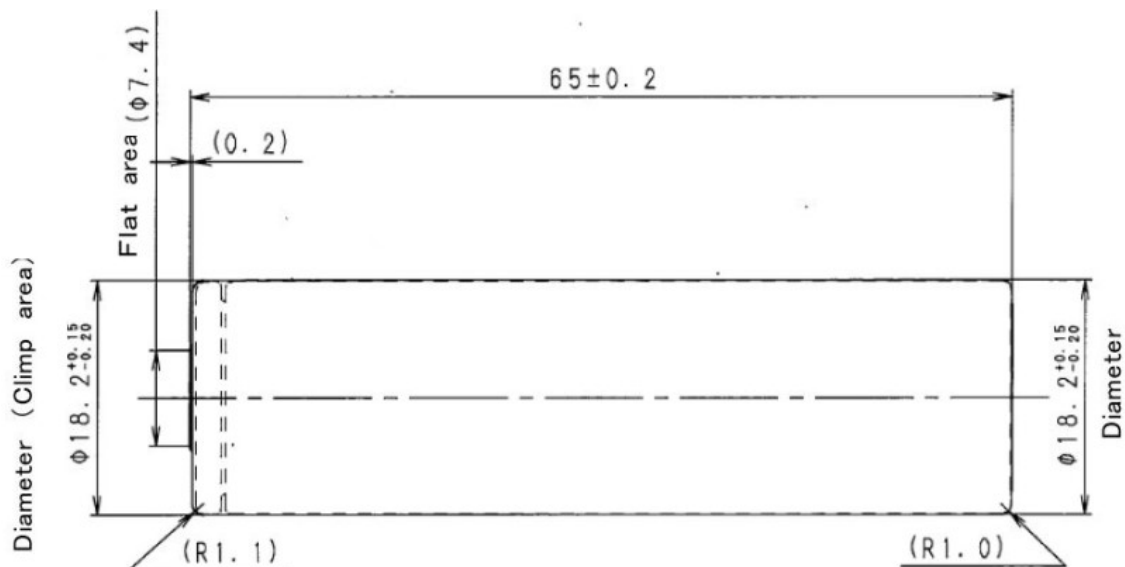
This product specification describes product performance indicators of Li-Ion battery from EnerCig.

Model

EC-C5A

Dimensions

Item	Dimension (mm)
H	65 ± 0.2
Φ	18.2 ± 0.2





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Major Technical Specifications

Item	Specification	
	As per Manufacturer	Self-Measured Rating*
Typical Capacity	2600mAh @ 0.2C Discharge	
Minimum Capacity	2500mAh @ 0.2C Discharge	
Nominal Voltage	3.6V	
Standard Charge	CC/CV, 0.2C 5A, 4.2V	
Standard Discharge	CC, 0.2C 5A, 2.5V	
End-of-Charge Voltage	4.2V ± 0.05V	
End-of-Charge Current	0.02C 5A (At CV mode)	
End-of-Discharge Voltage	2V	
Charging Time	8 hours (standard charge)	
Continuous Maximal Charge Current	6A 2.4C	
Continuous Maximal Discharge Current	35A 14C (Temperature-control at 80°C) 25A 12C (No Temperature-control at 80°C)	25A
Max Discharge Current Vs. Time	35A – 40A > 78 Seconds 60A > 26 Seconds 80A > 14 Seconds 100A > 6 Seconds	
Initial Impedance	7mΩ - 15mΩ	
Weight	Approx. 47.1 g.	
Operating Temperature	Charging: 0°C~45°C Discharging: -20°C~60°C	
Storage temperature	-5°C~35°C	
Storage Humidity	≤ 75% RH	

* Tests were conducted by Mooch: [Blog](#) | [Facebook Page](#)



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Safety Instructions

Please pay attention to followings in case of battery will have leakage, heat etc.

- 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.
- 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.