



*Safer Vaping*

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# PRODUCT SPECIFICATIONS

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<b>Product Description</b>	Li-ion rechargeable battery cell 21700
<b>Product Name</b>	Energig EC-2176HC
<b>Model</b>	EC-2176HC
<b>Manufacturer</b>	System Technik
<b>Brand</b>	Energig

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## Safer Vaping

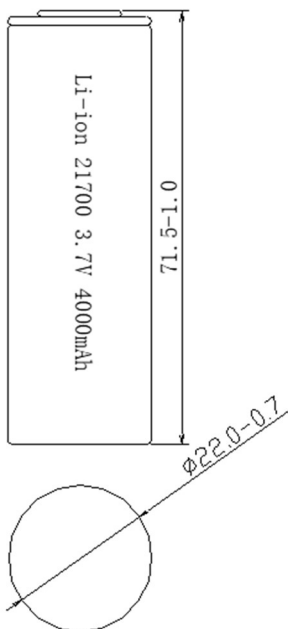
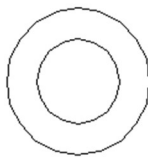
### Application Scope

This product specification describes product performance indicators of Li-Ion battery produced by System Technik for Enercig.

### Model

EC-2176HC

### Dimensions



Item	Dimension (mm)
H	Approx. 71.5
$\Phi$	Approx. 22.00



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### Major Technical Specifications

Item	Specification
<b>Typical Capacity</b>	4030mAh @ 0.2C discharge
<b>Minimal Capacity</b>	4000mAh @ 0.2C discharge
<b>Nominal Voltage</b>	3.7V
<b>Standard Charge</b>	CC/CV, 0.2C 5A, 4.20V
<b>Standard Discharge</b>	CC, 0.2C 5A, 3.00V
<b>End-of-charge Voltage</b>	4.20V $\pm$ 0.05V
<b>End-of-charge Current</b>	0.02C 5A (At CV mode)
<b>End-of-discharge Voltage</b>	3.00V
<b>Charging Time</b>	Approx. 8 hours
<b>Quick Charge Current</b>	4000mA (1.0C5 rate) 1C
<b>Quick Discharge Current</b>	8000mA (3.0C5 rate) 3C
<b>Max Discharge Current</b>	12000mA (5.0C5 rate) 5C
<b>Internal Resistance</b>	$\leq$ 20m $\Omega$
<b>Weight</b>	Max. 70 $\pm$ 2g
<b>Dimensions</b>	<b>Height:</b> Max 70.3mm <b>Diameter:</b> Max 21.2mm
<b>Operating Temperature</b>	<b>Charge:</b> 0 to 45°C <b>Discharge:</b> -20 to 60°C
<b>Storage temperature</b>	-5°C – 35°C
<b>Storage Humidity</b>	$\leq$ 75% RH



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### Storage

**Long Time Storage:** Store the battery in a cool, dry and well-ventilated area.

### Safety

**To ensure a proper and safe use of the battery, the following safety measures must be taken:**

- Do not expose to, dispose of the battery in fire.
- Do not put the battery in a charger or equipment with wrong terminals connected.
- Avoid shorting the battery
- Avoid excessive physical shock or vibration.
- Do not disassemble or deform the battery.
- Do not immerse in water.
- Do not use the battery mixed with other different make, type, or model batteries.
- Keep out of the reach of children.

### Charge and discharge

- Battery must be charged in appropriate charger only.
- Never use a modified or damaged charger.
- Do not leave battery in charger over 24 hours.

### Storage

- Store the battery in a cool, dry and well-ventilated area.