



Safer Vaping

PRODUCT SPECIFICATIONS

Product Description Cylindrical Li-ion rechargeable battery 16500
820mAh Capacity

Product Name EnerCig EC- 16500HP

Model EC- 16500HP





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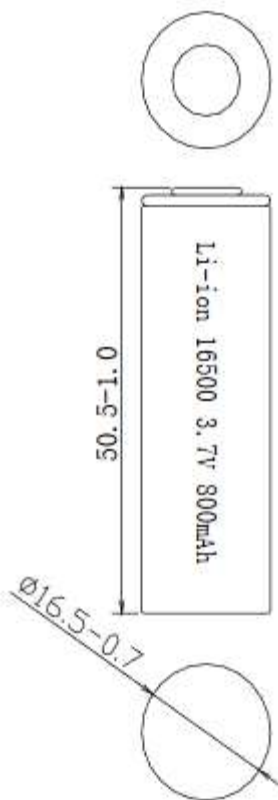
1. Application Scope

These specifications describe the basic performance, technical requirements, testing methods, warning and caution of the Li-ion cylindrical rechargeable battery. The specifications only apply to the model mentioned above.

2. Model

EC-16500HP

3. Dimensions



Item	Dimension (mm)
H	50.5 – 51.0
Φ	16.5 – 16.7



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4. Technical Specifications

NO.	Item	Specifications
4.1	Typical Capacity	820 mAh @ 0.2C Discharge
	Minimum capacity	800 mAh @ 0.2C Discharge
4.2	Nominal voltage	3.7V
4.3	Standard Charge	CC/CV, 0.2C ₅ A, 4.20V
4.4	Standard Discharge	CC, 0.2C ₅ A, 3V
4.5	End-of-charge Voltage	4.20V±0.05V
4.6	End-of-charge Current	0.01C ₅ A (at CV mode)
4.7	End-of-discharge Voltage	3V
4.8	Charging Time	8.0 hours (standard charge)
4.9	Quick Charge Current	800mA (1.0C ₅ rate)
4.10	Quick Discharge Current	8000mA (10.0C ₅ rate)
4.11	Max Discharge Current	16000mA (20.0C ₅ rate)
4.12	Initial Impedance	Max. 25 mΩ
4.13	Weight	Approx. 24.5±2g
4.14	Operating temperature	Charging: 0°C~45°C Discharging: -20°C~60°C
4.15	Storage temperature	-5°C~35°C
4.16	Storage Humidity	≤75% RH
4.17	Appearance	Without scratch, distortion, contamination and leakage



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4.18	Standard environmental condition	Temperature: 25±5°C Humidity: 45-75%RH Atmospheric Pressure: 86-106 KPA				
4.19	Temperature Dependence of Discharge Capacity @ 0.2C Discharge					
	Charge temperature	Discharge temperature				
	25°C	-10°C	0°C	15°C	25°C	40°C
	Relative Capacity	50%	80%	90%	100%	100%

8. Safety Instructions

To ensure proper use of the battery please read the manual carefully before using it.

Handling

- 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.

Disposal

- Regulations vary for different countries. Dispose of in accordance with local regulations.



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9. Battery Operation instructions

9.1 Charging

- Charging current: Cannot surpass the highest charging current which in this specification document stipulated.
- Charging voltage: Does not have to surpass the highest amount which in this specification document stipulated to decide the voltage.
- Charge temperature: The battery must carry on the charge in the ambient temperature scope which this specification document stipulated
- Uses the constant electric current and the constant voltage way charge, the prohibition reverse charges. If the battery positive electrode and the cathode meet instead, can damage the battery

9.2 Discharging current

The discharging current does not have to surpass this specification document stipulation the biggest discharging current, the oversized electric current electric discharge can cause the battery capacity play to reduce and to cause the battery heat.

9.3 discharge temperature

The battery discharge must carry on in the ambient temperature scope which this specification book stipulated.

9.4 Over-discharges

After the short time excessively discharges charges immediately cannot affect the use, but the long time excessively discharges can cause the battery the performance, battery function losing. The battery long-term has not used, has the possibility to be able to be at because of its automatic flashover characteristic certain excessively discharges the condition, for prevented excessively discharges the occurrence, the battery should maintain the certain electric quantity.

9.5 Storing the Batteries

The battery should store in the product specification book stipulation temperature range. If has surpasses above for six months the long time storage, suggested you should carry on additional charge to the battery.



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10. Period of Warranty

The period of warranty is one year from the date of shipment. Guarantees to give a replacement in case of cells with defects proven due to manufacturing process instead of the customers abuse and misuse.

11. Chemical Reaction

Because batteries utilize a chemical reaction, battery performance will deteriorate over time even if stored for a long period of time without being used. In addition, if the various usage conditions such as charge, discharge, ambient temperature, etc. are not maintained within the specified ranges the life expectancy of the battery may be shortened or the device in which the battery is used may be damaged by electrolyte leakage. If the batteries cannot maintain a charge for long periods of time, even when they are charged correctly, this may indicate it is time to change the battery.

12. Note

Any other items which are not covered in this specification shall be agreed by both parties.