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Title: Shenzhen super 14500 battery cell

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What is a 14500 battery?

A 14500 battery is a lithium-ion rechargeable cell with the same dimensions as a standard AA battery (14mm x 50mm) but delivers a significantly higher voltage (3.6V or 3.7V nominal).

What is a 14500 cell used for?

Designed for compact, high-efficiency power applications, 14500 cells are commonly used in tactical flashlights, medical equipment, wireless sensors, and industrial electronics. Voltage: 3.6V - 3.7V nominal, with a full charge voltage of 4.2V and a discharge cutoff of 2.5V - 3.0V.

What is the difference between protected and unprotected 14500 batteries?

Protected 14500 Batteries: Feature an integrated protection circuit to safeguard against overvoltage, deep discharge, and short circuits. Unprotected 14500 Batteries: Preferred for battery packs or regulated devices with built-in safety management.

What is the discharge rate of a 14500 cell?

Discharge Rate (CDR): Certain high-drain 14500 cells offer discharge rates of 3A - 10A, suitable for demanding applications. Cycle Life: Can exceed 500 to 1000+ charge cycles, depending on proper maintenance and chemistry type.

The 14500 rechargeable battery is a versatile power source used in a variety of applications, from flashlights to remote controls. Its compact size and high energy density ...

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This section compares 14500 batteries with two well-known Li-ion batteries: 18650 and AA Li-ion. By looking at their specifications, you can choose the best battery for your device and how you ...

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