

6-cell cylindrical solar container lithium battery





Overview

Which battery cell has a 6C charge rate?

The Chinese battery cell manufacturer Eve Energy, which is a partner of BMW among others, has presented a cell with a 6C charge rate at an event. The product, called Omnicell, is a large cylindrical cell that the battery makers say can provide electric vehicles with a range of 300 kilometres in just 5 minutes.

When will solid-state batteries be introduced?

The introduction of solid-state batteries is expected in 2026. Other than the 6C charging rate, further details on Eve Energy's Omnicell cylindrical cell are not yet available. The "C" is an indicator of the ratio of battery size to charging capacity. At 1C, an 80 kWh battery can be charged with a maximum of 80 kW.

How many kW can a 6C battery charge?

At 6C, the same battery can theoretically be charged with six times the charging capacity - i.e. up to 480 kW. The company calculates that a 6C fast charging capability can give electric vehicles a range of 300 kilometres in just 5 minutes of charging. The first Chinese electric vehicles are currently being offered with 5C batteries.

Does StoreDot sell LiFePO₄ batteries?

StoreDot intends to market these cells, but Eve Energy will also manufacture such cells under license and market them itself. lifepo4-battery.com, news.metal.com



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