

**KREATYWNY ENERGY POLSKA**

# **46120 cylindrical battery pack structure design**



## 46120 cylindrical battery pack structure design

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### BMW 46xx Cell

The move by BMW to a cylindrical 46mm diameter cell was announced some years ago. We have been looking at the BMW Gen6 Battery System since late 2022 with a slow release of data from BMW ...

### BMW readies move to structural batteries, '46120' cells

Models based on the automaker's Neue Klasse EV architecture will ditch today's rectangular prismatic batteries for the type of large, cylindrical-form-factor cells that Tesla is pioneering with its "4680" ...



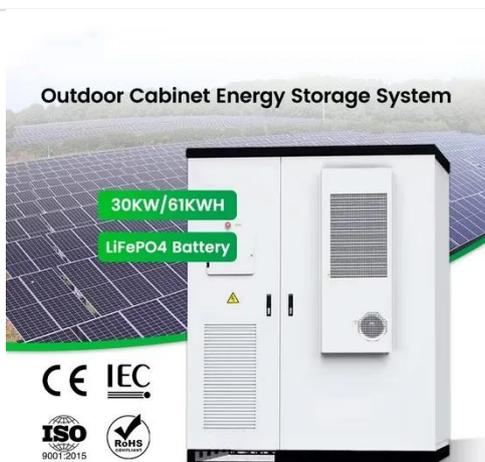
### What is a 46120 Battery?

The 46120 battery refers to a cylindrical lithium-ion battery format with a diameter of 46 millimeters and a length of 120 millimeters. While similar in concept to the widely used 4680 battery ...



### Beyond Tesla's 4680: Why BMW's GEN6 4695 & 46120 Cells are ...

Standardizing on a cylindrical format simplifies production scaling--a crucial factor in BMW's strategy to reduce battery costs by 50% by 2030.



**BMW's 4695/46120 battery and CTB solution**

At BMW's recent Workshop event, we were able to learn about its large cylindrical battery for the first time and the system integration solution based on this large cylindrical battery.

**Production begins on 46-series cylindrical batteries for American EV**

This marks a Korean manufacturer's first international supply of 46-series cylindrical cells. The 46-series batteries feature a tab-less architecture that improves current flow and reduces ...



**BatteryLine: Battery Industry: 4680 / 4695 / 46120 / 46xxx battery cell**

BMW Plans Move to Structural Battery Packs and '46120' Cells New energy-dense cylindrical cells earmarked to

provide a host of benefits for BMW's next-generation EVs.



## BMW Plans Move to Structural Battery Packs and '46120' Cells

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## BYD 46 Series Large Cylindrical Cell (BYD 4680-15Ah/46120-24.5Ah)

Structural stability: metal shell, seismic, impact resistance, phase type, soft pack battery without thickness expansion problem; High production efficiency: conducive to large-scale ...



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