



590 million cylindrical lithium batteries





Overview

Is a large cylindrical battery the 'optimal solution' for new energy vehicles?

Jiang Jibing, vice president of Eve Energy and head of its battery system research institute, introduced the large cylindrical battery as the “optimal solution” for new energy vehicles (NEVs). He detailed the battery’s advantages through three key factors: standardization, adaptability, and structural integrity.

How efficient are large cylindrical batteries at 300 ppm?

Here, we can see that the manufacturing efficiency of large cylindrical batteries at 300 PPM is 10 times that of prismatic cells, while our manufacturing steps have been further reduced to 10 steps, shortening the production cycle to 7 days.

What is a large cylindrical battery?

Large cylindrical batteries feature a steel casing with 550MPa strength—5.5 times that of prismatic aluminum casings (95MPa). Combined with a 1500MPa dual-layer hot-formed steel bottom design and 3500MPa aerospace-grade fiberglass, they achieve crash energy absorption of 1000J—6.6 times the national standard.

What chemistries can be used in a lithium ion battery?

The large cylindrical batteries accommodate multiple chemistries—including lithium iron phosphate (LFP), lithium manganese iron phosphate (LMX), and nickel cobalt manganese lithium (NCM)—providing flexibility in adjusting energy density, range, charging times, and output.



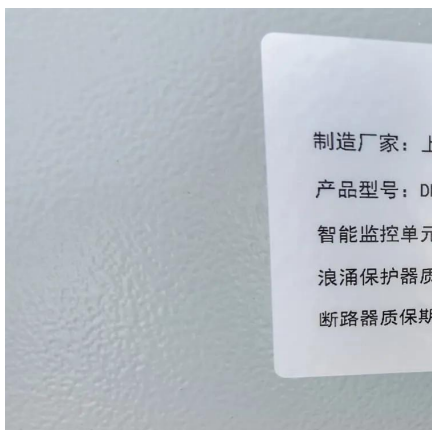
590 million cylindrical lithium batteries



BAK Battery

With higher energy density than other types of batteries, big cylindrical batteries feature longer battery life, enhanced safety, and high cost-efficiency, fitting the three "rigid ...

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[Round, rugged, and ready: Eve Energy sees ...](#)

Eve Energy's new large-format cylindrical cells are built for faster production, flexible chemistries, and stronger crash resistance. At ...

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[BAK Battery: Large cylindrical material](#)

Among them, large cylindrical batteries (including 3 series, 4 series, 6 series etc.) will be the core driving sector for the substantial ...

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[Why EVE believe in Large Cylindrical Cells](#)

Here, we can see that the manufacturing efficiency of large cylindrical batteries at 300 PPM is 10 times that of prismatic cells, while ...

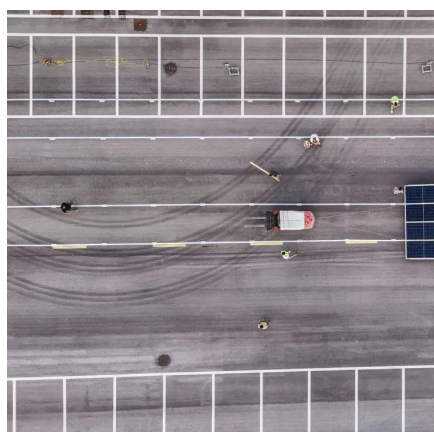
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Round, rugged, and ready: Eve Energy sees cylindrical batteries ...

Eve Energy's new large-format cylindrical cells are built for faster production, flexible chemistries, and stronger crash resistance. At the 21st Auto Shanghai exhibition, Eve ...

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BAK Battery

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Why EVE believe in Large Cylindrical Cells

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Yiwei Lithium Energy's large



cylindrical battery progress: ...

Jiang Jibing revealed that as the first company in China to mass-produce large cylindrical batteries, Yiwei Lithium Energy has supplied more than 50,000 vehicles with a total ...

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Eve Energy unveils large cylindrical battery cell with 6C fast ...

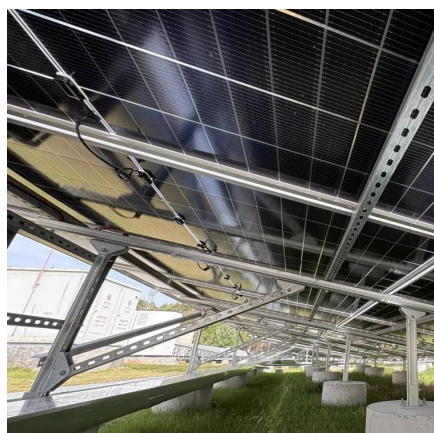
Large-volume cylindrical cells for BMW's New Class are to be produced in Debrecen, representing a volume of up to 28 GWh per year.

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Industry Leader Advances Mass Production of ...

EVE Energy reveals its advancements in large cylindrical battery production, marking a shift in the industry. Experts weigh in on the ...

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EVE Energy Expands Large Cylindrical Battery Production ...

Compared to traditional cylindrical batteries, large cylindrical batteries offer significant performance advantages. Structurally, they maintain excellent stability throughout ...

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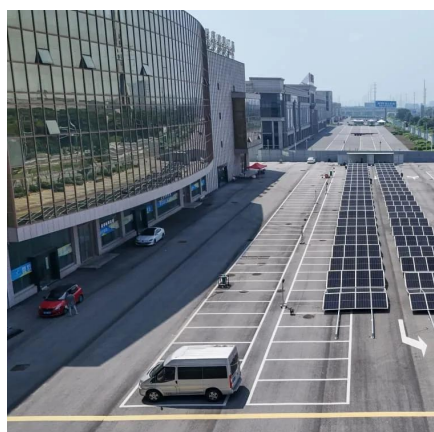
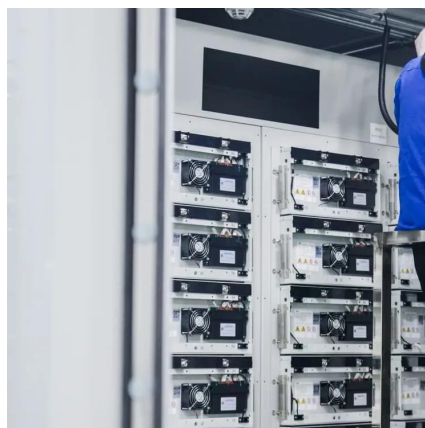
Eve Energy unveils large cylindrical



[battery ...](#)

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EVE Energy Unveils Large Cylindrical Battery and Battery ...

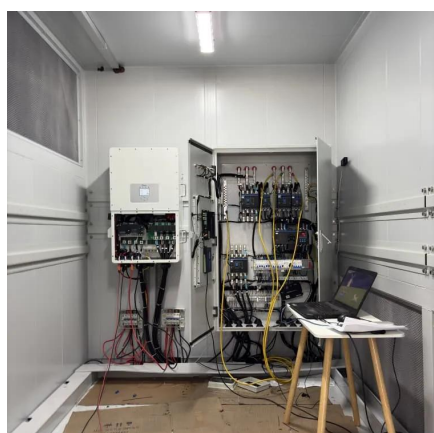
EVE Energy showcased its large cylindrical cells and pioneering Battery Passport at IAA 2025, highlighting innovations in safety, fast-charging, and full lifecycle sustainability to ...

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BAK Battery: Large cylindrical material + structural innovation

Among them, large cylindrical batteries (including 3 series, 4 series, 6 series etc.) will be the core driving sector for the substantial growth of the cylindrical battery market in the ...

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Frontline: EVE Energy's Large Cylindrical Batteries Installed in ...

Compared with square batteries, the large cylindrical battery has 10 times the manufacturing efficiency. The standardization of system component design and grouping ...

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Industry Leader Advances Mass



Production of Large Cylindrical Batteries

EVE Energy reveals its advancements in large cylindrical battery production, marking a shift in the industry. Experts weigh in on the future of battery tech.

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