

# The largest cylindrical single solar container lithium battery





## Overview

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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.

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.

Why do large cylindrical batteries have a circular geometry?

The circular geometry of large cylindrical batteries ensures uniform stress distribution from the beginning to the end of their lifecycle, eliminating axial swelling entirely.

How does a large cylindrical battery work?

Large cylindrical batteries address this through in-situ upgrades enabled by consistent dimensions and integrated multiple chemical material systems, flexibly adapting to different performance needs.



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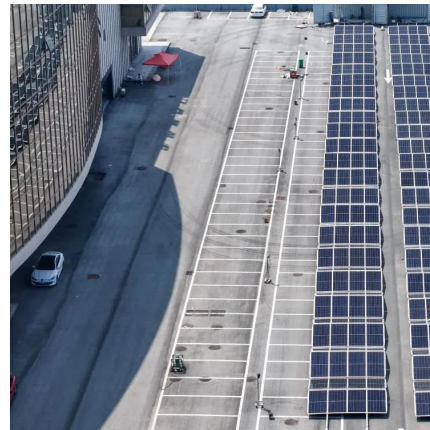


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