

Battery cabinet production quality





Overview

Why is battery quality so important?

Poor battery quality can lead to major safety and reliability issues in the field in applications including consumer electronics [1, 2], electric vehicles [3, 4], aviation , and more. However, detecting latent cell defects —which are responsible for these battery quality issues—during production is notoriously challenging.

How to deliver high-quality batteries?

Delivering high-quality batteries requires you to manage different processes across the whole product lifecycle, from new product development to mass production. It is essential to design with a quality mindset to accelerate battery production.

How important is quality control in battery production?

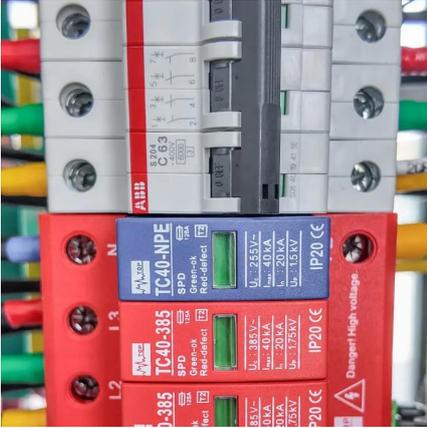
Generally speaking, a strong emphasis on quality and quality control can be a powerful lever to minimize wasted material and energy during battery production. Given the frequency, severity, and inevitability of battery quality issues, both battery producers and manufacturers of battery-containing products must manage battery quality.

Why is quality management important in battery manufacturing?

What we are seeing across the battery manufacturing landscape is an extraordinary drive to meet unprecedented demand, and this environment makes digital solutions essential to achieving quality, cost, volume and delivery targets. Quality management is at the heart of these efforts.



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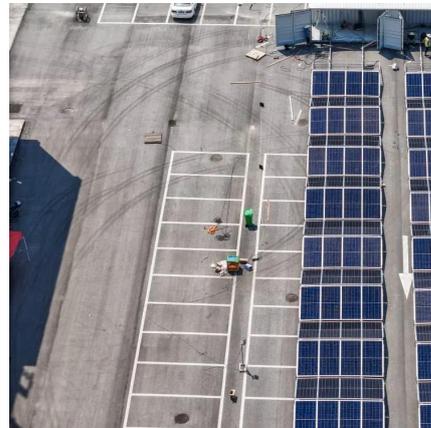
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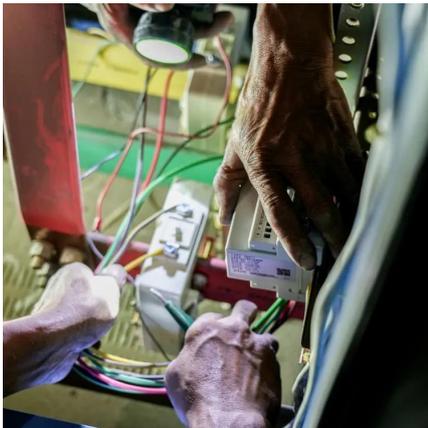
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