

The lithium battery pack feels soft



Overview

If a pack looks or smells off (sweet solvent smell), or feels soft and puffy, stop using it immediately. Sight: No puffing, punctures, dents, or torn foil?

Leads and balance connector undamaged?

Touch: Pack feels firm and flat; not hot or squishy. Do you see a LiPo pack starting to look puffy?

This guide shows you exactly why swelling happens and, more importantly, how to stop it before it starts. We'll use 2025-current, safety-first practices with specific voltage-per-cell and temperature ranges you can follow today. It's likely from overcharging, storing at 100% &/or high discharge rates from rc use. Give it a few more charge cycles and it'll be firmer. In this guide, as a professional lithium battery packs manufacturer, I will explain why batteries swell, how to spot the signs, immediate safety steps, and long-term prevention methods for phones, power tools and battery packs. TL;DR: Lithium batteries swell due to gas buildup inside the cell from. Lithium Polymer (LiPo) batteries are widely used in various electronic devices, particularly in remote control hobbies and drones. While they offer remarkable performance, you might encounter a concerning issue: a puffy battery.

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Why Lithium Batteries Swell -- Causes, Risks & Safe Handling

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Swollen LiPo Battery? Why It Happens & Safe Disposal Guide

In this article, we'll delve into the causes behind this enigmatic problem, shedding light on the factors that contribute to the bulging of soft-pack lithium-ion batteries and exploring how we ...



Why lithium batteries continue to fail your phone and laptop

A faulty lithium-ion battery is a serious hazard and can catch fire. Here's what to do if the unthinkable happens - and some preventive measures.

Why Is My LiPo Battery Puffy? Understanding the Causes and

Solutions

Understanding why your LiPo battery is puffing requires insight into its internal structure and chemical reactions. Below are some common causes of this issue:
 1. Overcharging. LiPo ...



7 Common Reasons Why LiPo Batteries Swell (and ...)

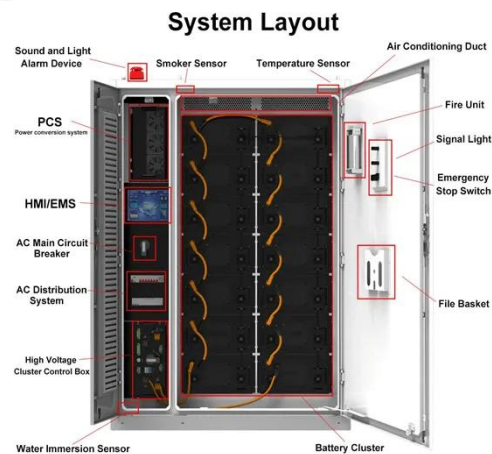
Stop LiPo battery swelling with this clear, step-by-step guide. Learn 7 causes, practical prevention, voltage checks, safety, and disposal tips.



51.2V 150AH, 7.68KWH

Soft Pack vs. Hard Pack: Which Lithium Battery is Better?

We'll examine soft-pack lithium batteries, including their composition and critical features. Next, we'll move on to hard-pack lithium batteries, exploring their characteristics and typical ...



Swollen LiPo Battery? Why It Happens & Safe Disposal Guide

Attempting to fix or recondition a swollen LiPo battery is extremely dangerous. The internal structure is compromised, and the risk of fire or

explosion is too high. Do not try to puncture, ...



What are the causes of bulging of soft-pack lithium-ion

In this article, we'll delve into the causes behind this enigmatic problem, shedding light on the factors that contribute to the bulging of soft-pack lithium-ion batteries and exploring how we ...

114KWh ESS



LiPo battery feels squishy and slightly bloated? (I've had

Deep discharges are the most common cause in my experience, with high rate discharged and age being other common causes. I usually don't have much trouble if I discharge to about 40% at the ...

I have a Swollen Lithium-ion battery what should i do

Do not ever try to puncture the bulge in your lithium-ion battery. Swelling of lithium-ion batteries is caused due to

heat and build-up of gases, which make the battery vulnerable. Puncturing a swollen ...



The reason for the bulging of the soft pack rechargeable lithium battery

For sealed lithium-ion batteries, the presence of a large amount of gas will cause the battery to swell, thereby affecting the performance of the battery and shortening the service life of the ...

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