

# What is a lithium iron phosphate battery pack

Lithium iron phosphate ( $\text{LiFePO}_4$ ) battery packs are a type of rechargeable battery known for their safety, longevity, and environmental friendliness. They operate by transferring lithium ions ...

LFP batteries were developed in the 1990s as an alternative to the lithium-ion batteries that won their inventors the Nobel Prize in Chemistry. They attracted interest for several reasons:...

OverviewComparison with other battery typesHistorySpecificationsUsesRecent developmentsSee alsoThe LFP battery uses a lithium-ion-derived chemistry and shares many advantages and disadvantages with other lithium-ion battery chemistries. However, there are significant differences. Iron and phosphates are very common in the Earth's crust. LFP contains neither nickel nor cobalt, both of which are supply-constrained and expensive. As with lithium, human rights and environ...

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