

## ContainerPower Energy Solutions

# Türkiye explosion-proof pack lithium battery



## Overview

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What is explosion-proof lithium ion battery?

Explosion-proof battery is a new type lithium ion battery made by materials with high safety coefficient, which can prevent lithium ion battery explosion efficiently. The safety performance is the best merits of this battery. Mining explosion-proof battery has wonderful safety performance and can be charged and discharged for over 1000 times.

Are lithium batteries prone to thermal runaway?

Despite the rapid progress in material development and technology for higher-energy-density and safer lithium batteries, current lithium battery technology is still exposed to the risk of thermal runaway, although the probability is relatively low.

Are traction batteries dangerous?

Hence, a typical traction battery pack that is generally constructed with large format batteries having hundreds of individual cells connected in series and parallel is potentially a significant risk in an explosive atmosphere.

Who makes the best custom lithium ion battery pack?

Since its foundation in 2002, Large Power has been dedicated to provide the best custom lithium ion battery pack for worldwide users. And has accumulated rich experience in li ion battery field.

Can lithium battery pack be used in underground coal mining?

In coal mining industry, specifically in underground coal mining, the requirements on lithium battery pack applications are very stringent with various engineering constraints imposed on them, which, in most cases, make the application of lithium technology in such an environment unfeasible or impractical.

How much energy does a traction battery pack need?

In some mines, a traction battery pack with energy up to 100 kWh will need an explosion-proof enclosure that could withstand internal pressure of up to 1.5 MPa (15 bar) .

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