

SolarTech Power Solutions

Lithium battery pack bus



TAX FREE

1-3MWh

BESS



Overview

What are lithium ion EBUS battery packs?

Our Li-Ion eBus battery packs are powerful and specifically adapted advanced lithium-Ion battery systems for electric bus with high quality and affordable at the same time. Battrixx is one of the leading lithium-ion battery packs manufacturers for E-Bus, E-Passenger Vehicle in India, provides high performance.

Why should you choose battrixx lithium-ion battery pack for electric buses?

Electric passenger vehicles significantly reduce the emission of poisonous gases in the environment and are less noisy. Battrixx lithium-Ion battery pack provides high performance battery systems for electric buses.

What is battrixx lithium-ion battery pack?

Battrixx lithium-Ion battery pack provides high performance battery systems for electric buses. Our Li-Ion eBus battery packs are powerful and specifically adapted advanced lithium-Ion battery systems for electric bus with high quality and affordable at the same time.

How many batteries are in an electric bus?

The electric bus studied in the present work, has two battery packs, each comprised six modules. Each module contains 1008 cylindrical 18,650 lithium-ion batteries (see Fig. 2). Since including a detailed model of the entire battery pack in the finite element analysis is not computationally possible, a homogenization approach was required.

How a battery pack is connected to a chassis frame?

Each battery pack was connected to the chassis frame using four 2-mm thick square tubes. In the finite element model of the chassis, in order to reduce the dynamic simulation time, most of the joints were defined using constrained nodal rigid bodies (CNRB), where several nodes from both parts were assumed

to be part of a rigid body.

What is FE modeling of bus chassis and homogenized battery pack?

FE modeling of bus chassis and the homogenized battery pack: (a) connection of battery pack casing to the chassis and (b) position of the two battery packs on chassis frame For the battery pack components, eroding single surface contact with soft 1 option was used.

Lithium battery pack bus

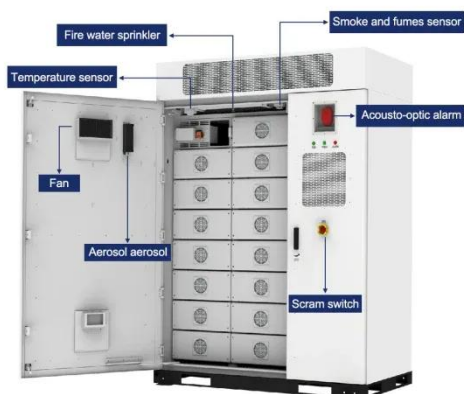


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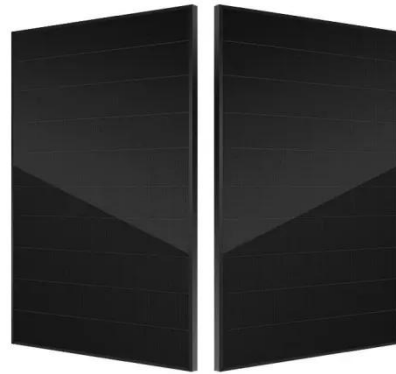
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Lithium Battery Electric

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