

Sana s new supercapacitor car price





Overview

What makes Sián a supercapacitor?

Rather than a lithium-ion battery the Sián innovates supercapacitor application: a technology pioneered originally in the Lamborghini Aventador but dramatically developed to store ten times the power. It is three times more powerful than a battery of the same weight and three times lighter than a battery producing the same power.

What is the difference between a battery and a supercapacitor?

While the construction of both is somewhat similar, the two devices have different physical mechanisms of operation. Batteries employ chemical reactions to create electrical energy, while supercapacitors store electrical energy by a mechanism called the electric double layer (EDL) effect.

Where are supercapacitors used?

The Aowei development company in Shanghai, China have been supplying supercapacitors as the only power source for the Capabus public transport network since 2006. The busses utilise overhead wireless charging stations at passenger pickup/drop-off points to maintain their energy supply.

How does a supercapacitor work?

From the supercapacitor bank, current passes through a bi-directional DC/DC converter to regulate the voltage so that it may be matched to that of the battery bank as necessary, controlling the flow of current between them. Both electric energy storage devices are connected to an inverter. This converts DC to the AC required to drive the motor.



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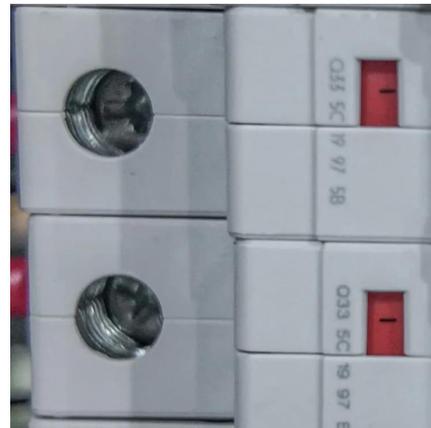


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Supercapacitor Price

The price of a supercapacitor depends on several factors including type, capacitance (farads), voltage rating, materials used, and application-specific design. Below is a detailed breakdown ...



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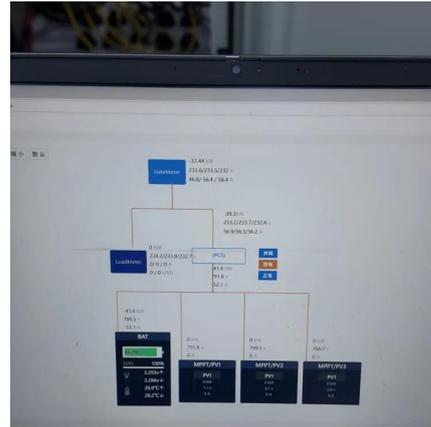
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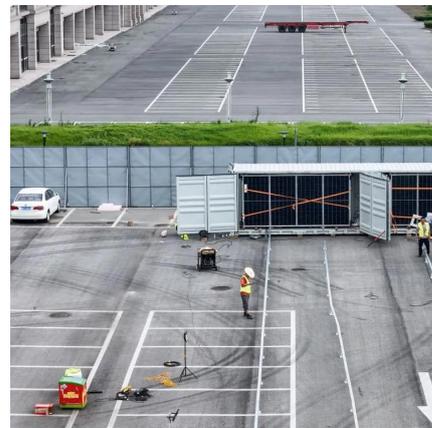


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