Lithium battery storage requirements Sierra Leone

Does elektros have a lithium mining project in Sierra Leone?
SUNNY ISLES BEACH,FL /ACCESSWIRE /January 26,2023 /Elektros (OTC PINK:ELEK),an emerging leader in the electric mobility industry,announced it has begun talkswith Lithium mining project in Sierra Leon,Africa.

What are the requirements for portable lithium ion storage batteries (mobile batteries)?
From February 1st,2019,portable lithium ion storage batteries (mobile battery) with a density of 400Wh/L or above,must have a round PSE mark on the product,and meet the other table. Nine or other standard requirements of J62133 (H28) (JISC8712 (2015) or IEC62133 (2012) integration) Official website announcement

Could elektros be a lithium supplier?
The Company has begun a mining feasibility study on the project and will explore prospects of developing the mine as a lithium supplier to select processing partners, or battery manufacturer, with a portion of lithium supply potentially being reserved for any future battery production under Elektros umbrella.

5 ???· Elektros plans to use its Sierra Leone lithium supply to develop advanced backup energy storage systems for critical infrastructure in the South Florida market, including data ...

These developments collectively position Elektros to capitalize on the growing demand for lithium, a key component in the rapidly expanding electric vehicle and energy storage markets.

Additionally, the southern region of Sierra Leone, where the Company"s mining operation is located, is known for its rich lithium deposits. Lithium has a wide range of applications beyond EVs, including solar battery storage, data centers, and consumer electronics.

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In line with its operational advancements, Elektros has effectively navigated regulatory requirements by filing for necessary licenses and permits. The company is actively preparing its Southern Sierra Leone site to enhance production capabilities and has structured efficient shipping logistics.

However, the true strength of the system lies in its storage capabilities. At the heart of the project are 30 BSLBATT 48V 200Ah lithium iron phosphate (LiFePO4) batteries. These batteries store ...

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5 ???· Utilizing lithium from its Sierra Leone mine, Elektros will explore joint ventures for manufacturing high-capacity battery systems for critical infrastructure, including data centers,...

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The Company"s strategic location in Southern Sierra Leone capitalizes on the region"s rich lithium deposits, enhancing operational efficiency and sustainability. "This milestone underscores Elektros"s commitment to advancing sustainable energy solutions," said Shlomo Bleier, Chief Executive Officer at Elektros.

The configurability and endless practical use cases of lithium-ion batteries make them highly popular in many industries. Thanks to their high efficiency, impressive power to weight ratio ...

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