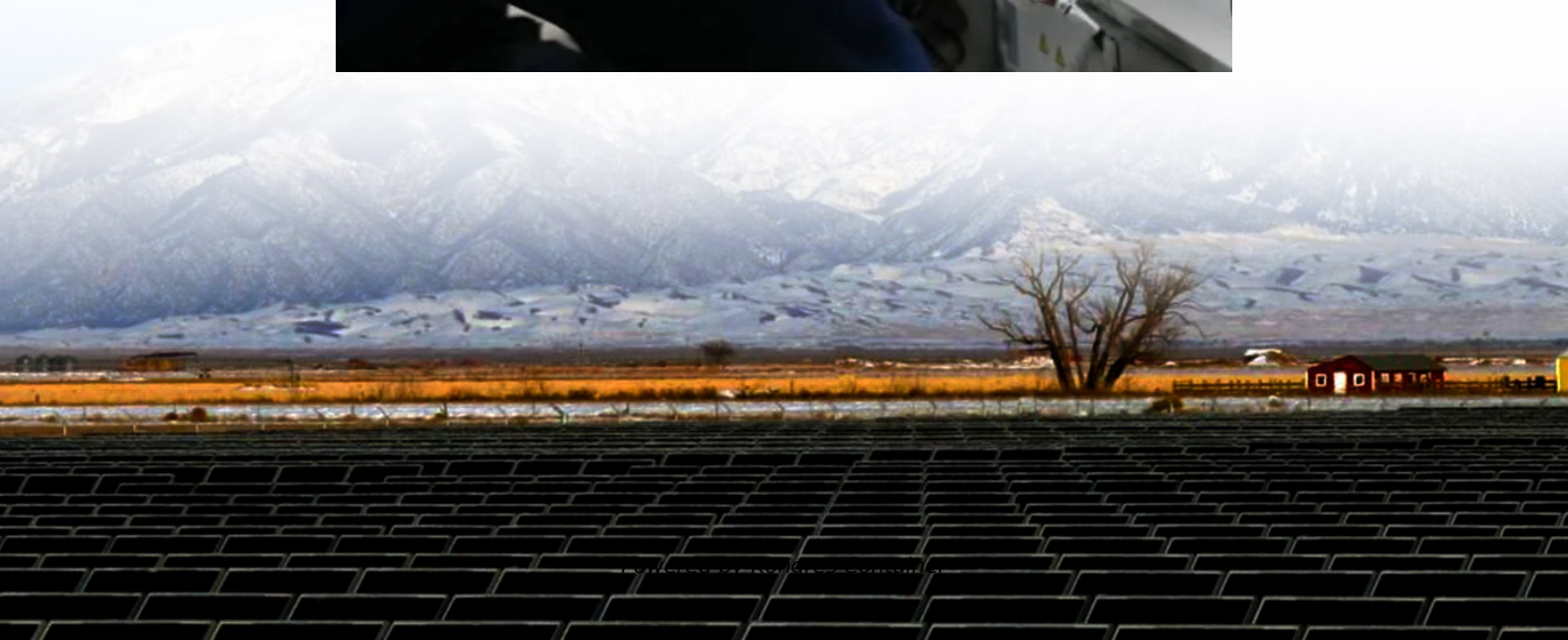


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Brunei energy storage lead-acid battery supply



Overview

Where do lead-acid batteries come from?

Lead-acid battery exports from Thailand and Malaysia remain strong. Exports are now declining as global markets shift towards lithium-based alternatives. The ASEAN battery market is highly competitive, with a mix of domestic and international manufacturers.

Who makes lead-acid batteries in Indonesia?

The Indonesian lead-acid battery industry is concentrated, with major players including GS Battery, Yuasa Battery Indonesia, and Trimitra Baterai Prakasa, according to Business Wire. These companies, subsidiaries of Japan's GS Yuasa Corporation, dominate the market with strong local manufacturing and distribution networks.

Why are lead-acid batteries important in ASEAN?

The country ranks among the top automotive producers in ASEAN, making lead-acid batteries essential for vehicle applications. Additionally, lead-acid batteries are increasingly used for power backup in data centres, a sector experiencing significant growth.

Are lithium ion batteries better than lead-acid batteries?

Lead-acid batteries still dominate due to affordability and use in automotive applications. Lithium-ion (Li-ion) batteries are gaining traction as cleaner and more efficient alternatives. Governments and manufacturers are pushing to expand energy storage solutions. Vietnam, Thailand, and Malaysia lead battery production in the region.

What is the difference between Li-ion and lead-acid batteries?

Li-ion batteries offer superior energy retention and are widely used in consumer electronics and electric vehicles (EVs). In contrast, lead-acid batteries are mostly used in the automotive sector for starting, lighting, and

ignition applications.

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