



Lavo hydrogen solar container home system

<div class="df_qntext">What is Lavo's hydrogen energy storage system?

At LAVO, we're focused on green hydrogen. LAVO's Hydrogen Energy Storage System (HESS) combines patent pending metal hydride storage technology with a lithium-ion (Li-ion) battery, fuel cell, electrolyser, and innovative digital platform, to provide ground-breaking, long-duration energy storage capabilities.

<div class="df_qntext">What is a Lavo hydrogen energy battery?

The system utilizes patented LAVO(TM) Hydride to create the world's first, safe, long-term capture, hydrogen battery. The system allows households and businesses to live off the grid, replace diesel generation and avoid power bills entirely. The Lavo Hydrogen Energy battery is a novel storage option for renewable energy.

<div class="df_qntext">How does Lavo hydride work?

The system utilises patented LAVO hydride to store hydrogen in a metal alloy, creating a reliable hydrogen battery for long-term energy capture in a secure vessel. The system is based on electrolysis to split water into oxygen and hydrogen.

<div class="df_qntext">What makes Lavo unique?

What is impressive about LAVO is the close connection between design and technology. In combination with solar energy, this innovative hybrid hydrogen battery promotes a new way of generating energy. The design language of the entire system visualises this performance potential and blends in with the respective architecture.

<div class="df_qntext">What does Lavo do?

LAVO is pioneering a clean energy future, committed to making clean energy accessible, affordable, and dependable. We reimagine energy solutions for innovative, customer-centric answers that have a positive global impact.

A sustainable and reliable energy storage system developed in partnership with UNSW and Design + Industry. The LAVO(TM) hydrogen hybrid battery stores over 40kWh of electricity, enough to power the ...

What is a home hydrogen battery & backup power installation? Home hydrogen batteries, like the LAVO, can provide 40kWh of green energy storage. This is 3 times more power than a Tesla Powerwall Li ...

Store excess solar power safely with our metal hydride home hydrogen storage system. Combines magnesium-titanium technology for efficient, long-term energy independence. Get a quote today.

Developed in partnership with UNSW and Design + Industry, LAVO(TM) is a hydrogen hybrid battery that stores over of 40kWh of electricity - enough to power the average Australian home for 2 days. The ...



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Instead of using large, pressurised tanks, the hydrogen is safely absorbed into solid-state metal hydride storage, which makes it stable, compact, and ready for long-term use. In essence, the system is ...

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