

PEES Power Systems

LAVO Hydrogen Energy Storage System



IP65/IP55 OUTDOOR CABINET

IP54/55

OUTDOOR ENERGY STORAGE CABINET

OUTDOOR MODULE CABINET



Overview

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. As an Australian company, we put clean energy into Australian homes and businesses by leveraging our nation's energy and tech expertise to unlock the full potential of renewables. Our experience in research, product development, tech integration, and value chain management, allows us to design the world's first integrated hybrid hydrogen battery that combines with rooftop solar to deliver sustainable, reliable and renewable power to your home and business. When your solar panels produce more electricity than you can use, that excess energy powers an electrolysis unit which splits ordinary water into hydrogen and oxygen. Inspired by Lavo, we provide home metal hydride storage systems. The Lavo Green Energy Storage System measures 1,680 x 1,240 x 400 mm (66 x 49 x 15).

LAVO Hydrogen Energy Storage System



LAVO 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 ...

Hi Energy Enthusiast.

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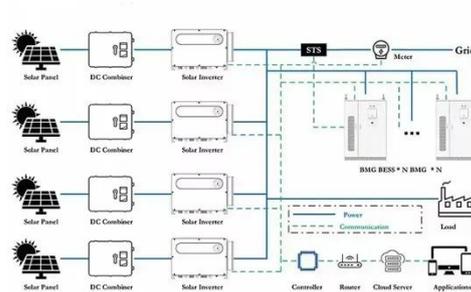
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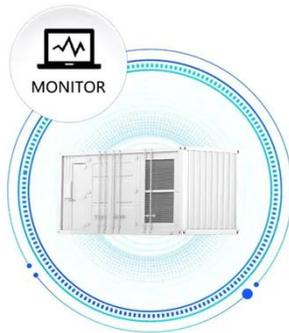
LAVO(TM) Green Energy

Hydrogen Battery

The system utilises patented LAVO(TM) Hydride to store hydrogen in metal alloy to enable the world's first, safe, long-term capture, ...



SUPPORT REAL-TIME ONLINE MONITORING OF SYSTEM STATUS



Red Dot Design Award: LAVO(TM)

LAVO is an innovative, integrated hybrid hydrogen battery that, when combined with a rooftop solar system, provides a sustainable, reliable and renewable ...

Lavo-Inspired Home Hydrogen Storage for Solar Energy , Safe

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



Hello There. Let's Rethink Energy with LAVO Li

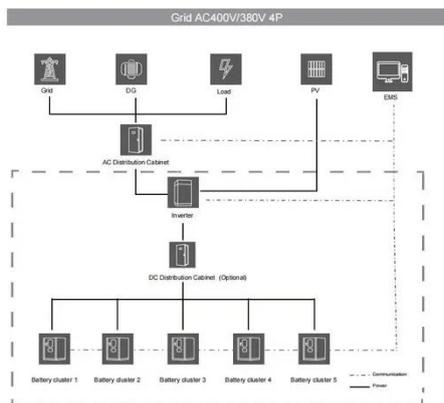
Easy installation with modular and stacked design. Maximise Renewable Energy gh performance & efficiency



charge and di Superior Safety and Whisper quiet system. Robust Construction

Lavo: Pioneering the Future of Energy Storage with Green Hydrogen

Green Hydrogen Production: Lavo's system utilizes solar energy and water to produce green hydrogen, a clean and renewable energy source. The hydrogen is then stored in a patented ...



LAVO(TM) Hydrogen Battery Energy Storage System

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

...

Lavo Hydrogen Storage: Revolutionizing Renewable

Energy Solutions

Developed through \$12 million R& D investment, the LAVO hydrogen battery system combines metal hydride technology with advanced thermal management. Unlike compressed gas storage, it safely ...



Lavo: The Complete Clean Energy Solution

By turning surplus energy into hydrogen and then back into power, LAVO creates a sustainable energy loop that's safe, emission-free, and built for real-world use. LAVO's hydrogen energy system ...

World-first home hydrogen battery stores 3x the energy ...

Australian company Lavo has debuted a hydrogen production, ...



Contact Us

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<https://peregrine-energy.co.za>

