



LICO Materials launches LiGRID, a sustainable 2nd Life Battery Energy Storage Systems powered by repurposed end-of-life batteries

- *LiGRID has 3 variants LiGRID 10, LiGRID 30, and LiGRID250*
- *LiGRID to reduce operational costs by upto 60% and increase lifespan of existing cells by 4 times*
- *LiGRID will offer 5-year warranty*

January 28th 2025 — LICO Materials, India's leading end-of-life lithium-ion battery recycling and repurposing company, launched its innovative **LiGRID, 2nd life Battery Energy Storage System (BESS)**. LiGRID is designed to significantly reduce operational costs by up to 60% with 4 times more lifespan than the lead acid battery energy storage solutions by utilizing hybrid sources of solar panel & main grid power. By optimizing energy storage and enhancing grid stability, LiGRID can power residences, cafes, restaurants, charging stations, hotels, hospitals, and commercial buildings, contributing to a more sustainable energy driven future.

India's energy storage market is rapidly expanding, driven by the country's ambitious renewable energy targets of 500 GW by 2030 coupled with growing adoption of EVs. The increased demand for energy storage solutions highlights the critical role of BESS technology in facilitating India's transition to a cleaner, more sustainable energy future. By improving grid stability, reducing reliance on fossil fuels, and enhancing the use of renewable energy, BESS will play a pivotal role in India's energy landscape. The LiGRID will meet this demand with sustainable high-performance energy storage solutions powered by end-of-life batteries.

LiGRID comes in three versatile models tailored to a wide range of energy storage needs

- **LiGRID 10:** Compact design with 10 kVa/18 kWh capacity for houses, residential buildings and cafes.
- **LiGRID 30:** Medium size model with 30kVa/100 kWh capacity ideal for office buildings and EV charging stations
- **LiGRID 250:** Reliable and efficient energy backup with 300 kwh capacity for large-scale applications like industries commercial/residential complexes.

All models feature advanced oil cooling and heating, multi-layered safety designs, and smart thermal management systems. The LiGRID series operates efficiently across a wide temperature range (-20°C to 60°C), with more than 5-year warranty, ensuring long-term reliability, fire safety and 40% smaller in size.

Speaking at the launch, Mr. Gaurav Dolwani, Founder & CEO of LICO Materials, said, "With LiGRID Battery Energy Storage Systems we continue to drive innovation in battery repurposing for sustainable energy storage systems. By utilizing repurposed lithium-ion batteries, LiGRID not only offers a cost-effective and long-lasting systems, but also plays a crucial role in supporting India's clean energy transition. As the country accelerates its renewable energy adoption and expands electric vehicle infrastructure, LiGRID will help stabilize grid load, reduce carbon footprints, and make energy more accessible and reliable for businesses and communities. We are proud to contribute to India's energy transition and a greener, more sustainable future for all.

**About LICO Materials:**

LICO Materials founded in 2021 plays a crucial role in battery circularity by engaging in end-of-life battery recycling and repurposing. The company focuses on recovering critical materials such as lithium, cobalt, manganese, and nickel at battery grade purity to be supplied back to battery manufacturers, contributing significantly to a sustainable future. On battery repurposing, the company focuses on creating 2nd life battery energy storage systems that can power residential, commercial, industrial and charging infrastructures. Its state-of-the-art end of life Lithium-Ion Battery Recycling and Refurbishing plant in Bengaluru, Karnataka has an input capacity of 4 GWh per annum.

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