ASX ANNOUNCEMENT

FOR IMMEDIATE RELEASE TO THE MARKET

Li-S Energy Limited – ASX Code: LIS

Monday, 9 November 2026

LI-S ENERGY FINALISES NEW HIGH POWER CELLS FOR FAST DRONES, ROBOTICS AND COMMUNICATIONS

New Power Cell delivers up to 50 times the power of traditional lithium-sulfur chemistry, opening markets for multi-rotor drones, soldier-carried systems, robotics and communications.

Key Highlights:

- Li-S Energy's new Power Cell range delivers up to 50 times[1] the power of 'traditional' lithium-sulfur cells, while maintaining an energy density approaching 400 Wh/kg.
- A step-change in power delivery: 'traditional' lithium-sulfur cells typically discharge at 0.1 – 0.2C[2] continuously, compared with 7C for Li-S Energy's new 11Ah Power Cell.
- LIS has completed datasheets for two cell designs: a 10Ah cell rated at 2C continuous and 5C peak with longer cycle life, and an 11Ah cell rated at 7C continuous and 10C peak for single-use and low cycle life applications.
- Opens the rapidly expanding market for multi-rotor drones, soldier-carried systems, robotics and communications.

[1] – Our 11Ah cell can operate up to a 10C rate. This is 50 times the power of our Energy Cell optimised for a C/5 discharge rate.
[2] – C-Rate is a measure of a battery's power. A 1C cell is a cell designed to discharge in one hour, C/2 in two hours and 2C in 30 minutes.

Li-S Energy Limited (ASX: LIS) ("Li-S Energy", "LIS" or "the Company") is pleased to announce the completed development, successful testing, and characterisation of its two new Power Cell designs with datasheets completed and shared with partners under NDA. This is a transformative development for LIS, with lithium-sulfur cells now optimised for weight critical platforms where high power delivery is vital.

Delivering both energy density and power

In 2024, the Company's GEN3 cell achieved 456 Wh/kg after formation cycling, around twice the energy density of lithium-ion. It was designed for low power, long endurance platforms where weight is paramount, such as fixed wing drones and marine systems. The new Power Cell range complements this high-energy offering by serving applications that require much higher power delivery. As such, its finalisation unlocks a significant range of new market opportunities for the Company.

High power delivery has been a long-recognised limitation of lithium-sulfur chemistry, reducing the number of applications for the technology. Twelve months ago, the Company announced that it was looking to overcome this limitation.

Over the last year it has developed, tested, and now characterised new lightweight, high power lithium sulfur cell variants targeting multi-rotor drone, robotics and communications applications where higher power is essential.

The development has been a remarkable success with two variants now produced on our automated Phase 3 production line, with the new cells increasing the maximum power performance by more than 50 times.

Li-S Energy Limited
ABN 12 634 839 857

Level 13, 120 Edward Street
Brisbane Qld 4000 Australia
GPO Box 754
Brisbane Qld 4001 Australia

p +61 7 3054 4555
e info@lis.energy
w lis.energy

Compelling Performance Data

Typically, a 'traditional' lithium sulfur cell delivers a continuous C rate of between 0.1 and 0.2, that is, slower and over a longer period of time.

The new Power Cell variants deliver:

- **10Ah Power Cell**: 2C continuous (yielding 100% of total energy stored), 5C peak. For systems requiring longer cycle life.
- **11Ah Power Cell**: 7C continuous (yielding 96% of total energy stored), 10C peak. For high power applications where cycle life is not a critical requirement.

The new Power Cells deliver a continuous power density of 1700W/kg and a peak power density of 2400W/kg which brings our technology into the highly lucrative fast multi-rotor UAV space.

The Company achieved these power densities from cells that retain a gravimetric energy density approaching 400 Wh/kg, preserving almost the entire weight advantage that Li-S Energy's broader cell technology offers.

The development of the commercial Power Cell range demonstrates the value of the Company's Phase 3 production line and Battery Test Centre to rapidly scale research concepts into commercial sized cells produced consistently and in volume.

Quotes

Dr Lee Finniear, Managing Director and CEO of Li-S Energy, said:

"These new Power Cells open up a massive market sector for the Company, and I am very proud of our development and production teams' dedicated focus on rapidly scaling from concept to proven production cells.

Delivering on real-world customer requirements is key to creating a successful technology and manufacturing business. Our focused development on the Power Cells has been based on a clear understanding of our target markets, where the value really is, and how we can leverage our unique IP and capabilities to deliver a product that will make a substantial difference to platform performance."

Dr Steve Rowlands, Chief Technology Officer of Li-S Energy, added:

"Traditional lithium-sulfur cells have to be discharged slowly to deliver their energy. Our 11Ah Power Cell operates at a continuous 7C - delivering over 95% of its energy in under nine minutes while still maintaining close to 400 Wh/kg by standard measures. In my experience this is a world beating performance for commercial sized lithium sulfur cells. The cells, built in our Phase 3 production line, are high quality, consistent and commercially sized, enabling us to match and integrate cells into battery packs for drone applications."

Next steps

The Li-S Energy team expects to continue to advance the capabilities of its Power Cells, increasing energy density whilst maintaining high power performance, with the aim of further extending system range, operating time and payload to meet and exceed the exacting requirements of our target markets.

The Company will update the market as these development programs progress, in accordance with its continuous disclosure obligations.

This announcement has been authorised by the Board.

For further information contact:

Dr Lee Finniear
Chief Executive Officer
Li-S Energy Limited
+61 (0)7 3054 4555

Ben Jarvis
Six Degrees Investor Relations
+61 (0) 413 150 448
ben.jarvis@sdir.com.au

About Li-S Energy:

Li-S Energy Limited (ASX: LIS) is an Australian developer and manufacturer of next-generation lithium-sulfur battery cells that offer around twice the energy density of conventional lithium-ion. The Company produces cells on its 2 MWh automated production line in Geelong, Victoria, Australia's largest advanced pouch-cell production facility, and is planning a staged scale-up to 1 GWh per year supported by a $7.8 million ARENA grant. Using proprietary IP and advanced nanomaterials including Li-Nanomesh™, it builds lighter, more efficient energy storage for defence, drones, aviation and undersea systems, where weight is critical. https://www.lis.energy/