

ASX Release

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ASX Code:

UTR

Shares:

570,537,404

Escrow Shares:

159,980,717

Options (various):

82,000,000

Performance Rights:

41,250,000

UltraCharge Acquires Electrolyte IP for its Complete Battery Solution

- UltraCharge acquires new battery IP from US based company, Coorstek
- Acquisition of a superior new electrolyte IP which is half the cost of commercial electrolytes
- The recent acquisition provides UltraCharge with a full lithium ion battery solution to offer battery manufacturers
- UltraCharge to position itself as a unique provider of anode, cathode and electrolyte technology solutions for the lithium ion battery market

UltraCharge Limited (ASX: UTR, UltraCharge or the Company) is pleased to announce it has acquired new battery intellectual property (IP), which includes a high performing, low cost electrolyte solution from Coorstek Specialty Chemicals (Coorstek), a US based company.

Lithium ion batteries are rechargeable, and require an anode, cathode and electrolyte solution to operate. High purity electrolytes are a core component of lithium-ion batteries, as they play a key role in transporting ions between the cathode and anode. The most commonly used electrolyte salt used is LiPF₆, however it is a major factor in battery degradation.

UltraCharge has acquired IP for a more superior electrolyte salt – LiFSI which can increase battery lifespan and performance at high and low temperatures (i.e more power on cold days and longer life in hot weather). Furthermore, through its patented production technique it is potentially half the cost of commercial electrolytes on the market. The innovative production process is continuous and highly automated, reducing production time potentially by up to 100 times and producing a high purity and high-performance electrolyte.

This has exciting commercial potential, and provides UltraCharge another technology asset to its growing IP portfolio. Furthermore, this acquisition allows UltraCharge to provide a full battery solution to the market. As previously announced, UltraCharge has a safe, fast charging, long lasting anode, and has recently acquired a revolutionary new high voltage cathode. Together with this latest electrolyte acquisition, the Company is uniquely positioned to offer the market a bespoke lithium ion battery solution.

Kobi Ben-Shabat, CEO said *“This latest acquisition is very exciting for UltraCharge as we now have a full battery solution that we can offer the market. UltraCharge is in a unique position as we can offer multiple battery solutions that can be tailored specifically for the end user. For example, we can offer our revolutionary anode technology, or our high-voltage cathode technology, or a combination of both with our superior electrolyte for the complete solution, targeted at the electric vehicle market. We continue to make significant progress as a battery technology company, increasing our unique product offering to battery manufacturers and growing our market share in the energy storage space”.*

Kobi Ben-Shabat
Chief Executive Officer

About UltraCharge Limited (www.ultra-charge.net)

UltraCharge is an Israel-based company that is a global leader in identifying, acquiring and developing battery technologies that offer superior qualities and new solutions for the lithium ion and flow battery markets. The Company has a growing Intellectual Property portfolio of battery technologies, particularly focused on developing the following technology solutions for the market:

- Anode for Lithium Ion Batteries: The Company has exclusive rights to patented anode technology from the Nanyang Technology in Singapore. The technology will replace graphite in anodes (negative pole) with nanotube fibers made from titanium dioxide. This has the potential to revolutionise the market for lithium batteries by producing a battery that is safe, has a longer lifetime and is fast charging.
- Cathode for Lithium Ion Batteries: The Company has agreed to acquire rights to new cathode intellectual property from ETV Energy in Israel. The technology contains a high voltage LiMnNO cathode that is half the cost of commercial cathodes, and can offer a battery solution that has advantages in terms of the voltage, energy capacity and power capacity.
- Ion Flow Battery – The Company has an exclusive licence agreement with Epsilon in Israel which provides access to new ion flow battery technology. The technology is the only commercially viable energy storage solution of its type, which has a low installation cost and lower operating costs than other comparable solutions on the market.

UltraCharge has established a pilot facility and is developing the above platform technologies and customising solutions to meet end user requirements, and subsequently meet global market demand.

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