

**ASX Release****17 April 2018****ULTRACHARGE LIMITED**  
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**ASX Code:**

UTR

**Shares:**

576,933,417

**Escrow Shares:**

173,668,217

**Options (various):**

124,000,000

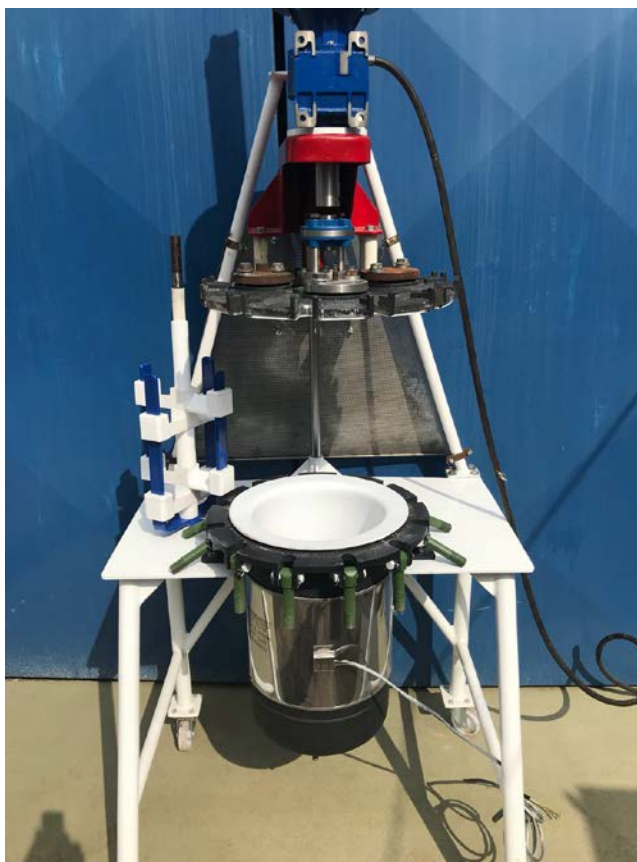
**Performance Rights:**

27,375,000

## UltraCharge increases battery production capacity to materially lift volumes and meet future orders

- UltraCharge takes delivery of custom built industrial scale 50 litre hydrothermal reactor.
- Initial production capacity is 250 kgs of TiO<sub>2</sub> per annum.
- Initial orders, prototypes and continued and new validation activities now supported.
- Production capability can be doubled to 500 kgs per annum to facilitate larger orders.
- Production for scale up activities is modular and scalable allowing rapid increases in production to satisfy larger demand.
- Increased production enables UltraCharge to pursue larger orders.
- New reactor enhances UltraCharge's ability to deliver its full Lithium Ion Battery solution.

UltraCharge Limited (ASX: UTR, UltraCharge or the Company) is pleased to announce the delivery of a custom built industrial 50 litre hydrothermal reactor, leading engineering and fabricator company Engiplas has delivered the reactor to UltraCharge's Israel based facility.



The industrial scale 50 litre hydrothermal reactor, producing TiO<sub>2</sub> anode, has an initial production capacity of 250 kgs per annum. The anode material will enable the assembly of up to 20 A/h cells. The assembly of cells, will enhance UltraCharge's ability to deliver larger quantities of anode material for validation activities, prototypes and material for potential new orders. Plans are in place to double the reactors output to meet any orders from potential customers.

Kobi Ben-Shabat, CEO said “The increased production capacity with our new ‘state of the art’ hydrothermal reactor puts us in position to meet anticipated end user demand for our anode. Importantly it also gives UltraCharge the opportunity to commercially deliver, our full Lithium Ion Battery solution to the world. We are still the only ASX listed company with the ability to produce a Lithium Ion Battery”

**Kobi Ben-Shabat**  
**Chief Executive Officer**

**About UltraCharge Limited ([www.ultra-charge.net](http://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 LiMnNiO 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.
- Electrolyte for Lithium Ion Batteries: The Company has acquired a low cost, high performing electrolyte solution from Coorstek Specialty Chemicals, a US based company. The intellectual property is around producing a more superior electrolyte salt – LiFSI which can increase battery lifespan and performance at high and low temperatures.
- 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.