

FOR MORE INFORMATION

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Centre of Excellence on Rechargeable Battery Technology

Vision: Nurture Indian industry for manufacturing of rechargeable battery cell (Li-ion/Na-ion) in India.

Mission: To build capacity in all verticals of Indian rechargeable battery cell (Li-ion/Na-ion) manufacturing ecosystem through focused and coordinated R&D.

Scope: Safe, sustainable and cost-effective indigenous technology suited for Indian environment (temperature, humidity, product usage pattern, recyclability etc.) and businesses (investment cost, supply chain and start-ups)

01

Li & Na Ion Pouch Cell

Customized Size, Shape and Capacity

02

Li & Na Ion Cylindrical Cell

18650

03

Li-Ion Polymer Electrolyte

Safe & Flexible

04

Flexible Li & Na Ion Cells

For Wearable Electronics

Cell Technology for LITHIUM & SODIUM ION



Facilities and Support under CoE RBT

Materials Manufacturing Technology for

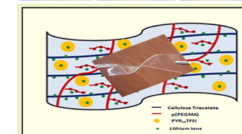
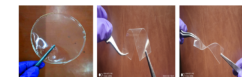
Cathode Li-Ion: LCO, NMC (111,811,622,532), LFP, LMO

Cathode Na-Ion: NVP, NMO

Materials Manufacturing Technology for

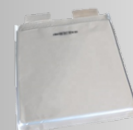
Anode Li-Ion: LTO

Anode Na-Ion: Hard Carbon

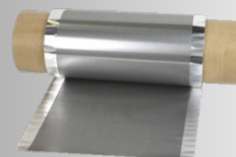


Li-Polymer Electrolyte

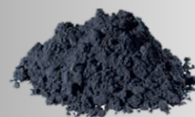
Module 3 Cell Assembly



Module 2 Coated Electrode



Module 1 Active Materials



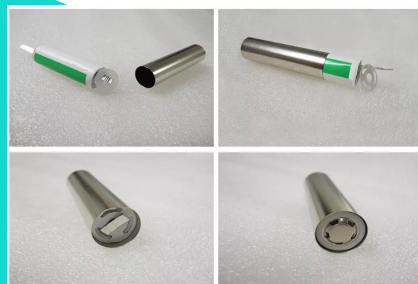
Li
Lithium
6.941



Cell Technology Developed for LITHIUM & SODIUM ION



Pouch Cell Developed at C-MET



Cylindrical Cell Developed at C-MET