



BUHLE POWER

# Indian solar container lithium battery pack processing





## Overview

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### Report Insight Introduction Challenges for Assembling Industry

#### Why is India importing lithium-ion batteries?

Given India's low natural endowment of most lithium-ion battery minerals, between 12-60 per cent of the value chain is subject to imports. USD 4.5 billion investment required to set up 50 GWh of lithium-ion cell and battery manufacturing plant under Production Linked Incentive (PLI) scheme.

#### How Lithium-ion battery manufacturing is growing in India?

The lithium-ion battery manufacturing in India is experiencing significant growth, presenting opportunities for localization within country's battery supply chain. Key industry players are stepping up to establish lithium-ion Gigafactories in India to meet the escalating demand.

#### Who makes lithium ion batteries in India?

's LG Chem for the manufacture of lithium-ion batteries. BHEL, in a joint venture with LIBCOIN (20 percent owned by Manis), are in the final talks to build India's first lithium-ion Gigafactory with capacity of 1GWh which will be scaled to 30GWh. Tata Power collaborated with AES and Mitsubishi to.

#### Does India need a lithium-ion-battery supply chain plan?

Given the absence or limited availability of key lithium-ion-battery-related raw materials in India and the evolving landscape of global supply chains, India should strategically develop a plan to secure adequate access to these raw materials to support its goals of indigenisation of the upstream battery value chain.



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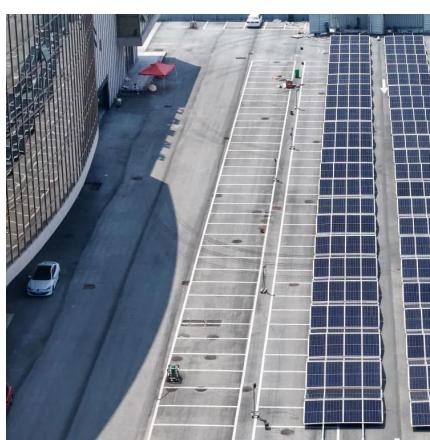
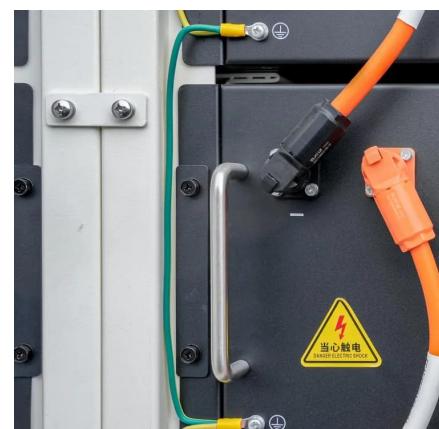


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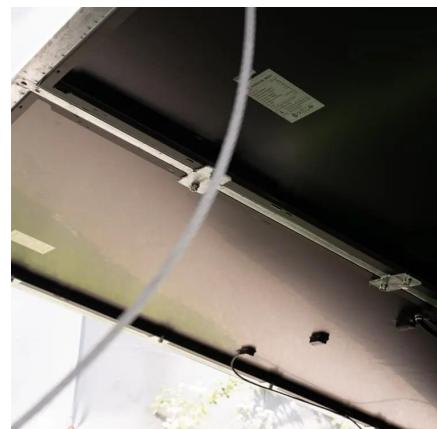
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