

The project involves the construction of an independent power plant with a capacity of 100MW of solar power generation and 30 MW of battery storage capacity located at Qarn Alam near Saih Nihayda in the northern part of the Block 6 concession in Oman.

This time around, PDO'S North Solar Storage IPP at Qarn Alam near Saih Nihayda will include -- also for the first time in Oman -- a battery energy storage system (BESS), sized to supply and store electrical energy and deliver a maximum 100-MW peak power into the company's grid during daylight hours.

The exploration and development of lithium resources could position Oman as a crucial supplier in the burgeoning EV and renewable energy sectors, marking a strategic shift in its economic and industrial landscape.

The potential for large-scale and sustainable lithium mining in the Sultanate of Oman, in support of its clean energy transition, has been underscored in a new scientific paper published by researchers of Sultan Qaboos University (SQU).

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Battery recycling investment in the Middle East has gathered pace since last March, when Italian group Seri Industrial said ground had been broken for a combined lead acid battery manufacturing plant and recycling ...

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This BESS, using lithium-ion battery technology, will store electrical energy and supply a maximum of 100 MW peak power to PDO's grid during daylight hours. The stored energy will be discharged continuously until the following day, aiming for operation in 2025.

"The findings reveal that Oman has huge potential for lithium exploitation and production, considering the enormous quantities of spodumene and seawater salt with high-grade lithium available...

Battery recycling investment in the Middle East has gathered pace since last March, when Italian group Seri Industrial said ground had been broken for a combined lead acid battery manufacturing plant and recycling facility in the United Arab Emirates (UAE).

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