

Türkiye lithium energy storage power supply procurement





Overview

Will Turkey raise import duties for lithium iron phosphate (LFP) batteries?

Image: Polat Enerji The government of Turkey, currently processing applications for large-scale energy storage facilities at renewable energy plants, will raise import duties for lithium iron phosphate (LFP) battery products.

What's happening in Türkiye's lithium ion battery sector?

Bank of lithium ion batteries at the University of California San Diego Center for Energy Research in La Jolla, California, U.S. (AFP Photo) Investments in Türkiye 's battery sector surpassed \$1 billion this year, driven by incentives and regulations aimed at achieving an 80-gigawatt-hour storage target by 2030.

How much lithium is produced in Turkey?

In the event that it is activated at full capacity, the facility is expected to meet half of Turkey's lithium needs, with an annual production of 600 tons. The Ministry of Energy and Natural Resources states that lithium production with this method is a first in the world and is only applied by Eti Maden.

How does Turkey meet its lithium needs?

Turkey currently meets all its lithium needs through imports, and the plants opened in Eskisehir beginning to operate at full capacity would mean that half of Turkey's lithium needs will be met domestically.

Will China supply lithium-ion batteries to Turkey?

Under the agreement between the two companies, the Chinese side will supply lithium-ion batteries to Turkey. According to Prof. Tayfur Öztürk, (Middle East Technical University) , "Turkey does not have lithium reserves that can be operated economically. Lithium is obtained from the most comfortable salt water reservoirs.



Will Türkiye's battery and storage power plants be approved next year?

However, Usta noted that despite draft regulations, the legal framework for battery and storage power plants is still evolving. The first approvals are expected next year. Türkiye's battery imports remained steady at around \$1.1 billion, similar to last year.



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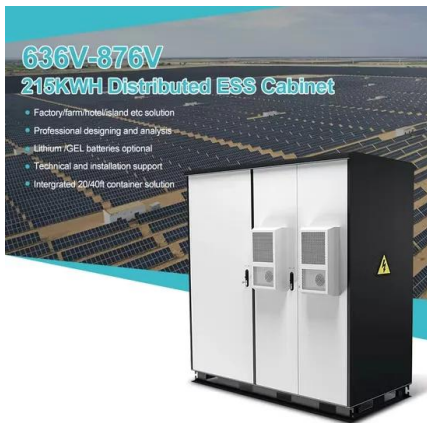




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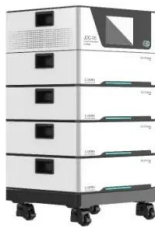
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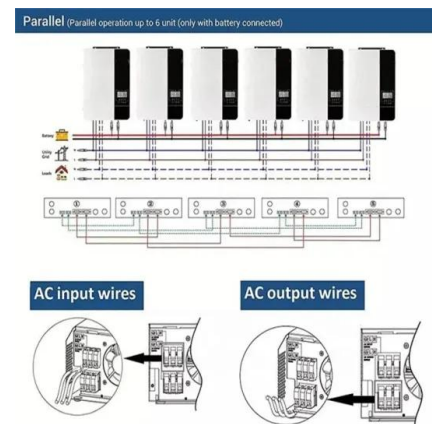
The energy storage market in Türkiye will witness significant transformations between 2023 and 2027, primarily influenced by the decreasing costs of lithium-ion batteries.

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Moreover, gridscale energy storage systems rely on lithium-ion technology to store excess energy from renewable sources, ensuring a stable and reliable power supply even during intermittent

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