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# Which lithium energy storage power supply is best in Ukraine





## Overview

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What is the lithium resource potential in Ukraine?

Rare metals are an important component of Ukraine's resource base. According to preliminary estimates, the overall lithium resource potential in Ukraine is quite high. The main lithium deposits are associated with Proterozoic complexes (1,7-2,1 billion years) of alkaline rocks, carbonate and granite pegmatites.

Where is lithium found in Ukraine?

The most prominent lithium deposits in Ukraine are the Polokhivske deposit and the Dobra site in the Kirovohrad region, Shevchenkivske in the Donetsk region, as well as the "Kruta Balka" of the Zaporizhzhia region (Fig. 4). Fig. 4. Lithium deposits of Ukraine: 1 - Polokhivske; 2 - Dobra site; 3 - Shevchenkivske; 4 - Kruta Balka.

Can lithium be used in high-tech sectors?

The main directions of lithium use in high-tech sectors of the economy and forecast indicators of the level of consumption until 2035 are given, which confirms the critical role of this material in the construction of electric vehicles, renewable energy and the defence industry.

Which countries have the most favourable conditions for lithium extraction?

The countries with the most favourable conditions for the lithium extraction from ore and sediment deposits, as well as the potential of Ukraine on the world market, were determined. Global trends in lithium consumption in various industries, as well as its impact on market value, have been established.



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