



# Is the price reduction of lithium carbonate good for power storage

What happened to battery-grade lithium carbonate?

Battery-grade lithium carbonate has fallen more than 10 percent compared to mid-November when prices reached as high as RMB 590,000 per ton. A month ago, CnEVPost noted that lithium prices seemed to be losing momentum to rise even higher. Now, what has happened seems to bear this out.

Does lithium ion cost a lot?

Lithium is not a significant contributor to lithium ion cell mass or cost. Reduction in global Li price (approx. \$7.50/kg) to \$0 decreases cell cost by <math>\approx 3\%</math>. Lithium price of \$25/kg increases battery costs by <math>\approx 10\%</math>. Price changes will have minimal impact on consumers, could affect battery producers.

How much does a lithium carbonate battery cost?

Similarly, the price for lithium carbonate has fallen from a high of approximately \$70,000 per metric ton to well below \$15,000 in 2024. This article focuses primarily on two of the most sought-after Li-ion battery cathode chemistries in the automotive industry today -- NCM811 and lithium iron phosphate (LFP) batteries.

Will lithium carbonate prices decrease in the upcoming quarter?

The prices of Lithium Carbonate are estimated to decrease in the upcoming quarter. The decline in the growth of the electric vehicle sector, uncertainties in the market, and low demand from the end-user industries will play a major role in deciding the price trend of Lithium Carbonate.

Why did lithium carbonate price decline in China?

Throughout the second quarter of 2024, the price trend of lithium carbonate in China witnessed a continuous decline. The primary cause of this decline was attributed to the rise in supply of the commodity coupled with a slowdown in demand.

How much does a lithium ion cell cost?

The use of more expensive lithium precursor materials results in less than 1% increases in the cost of lithium ion cells considered. Similarly, larger fluctuations in the global lithium price (from \$0 to \$25/kg from a baseline of \$7.50 per kg of Li<sub>2</sub>CO<sub>3</sub>) do not change the cost of lithium ion cells by more than 10%.



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