Is there an overcapacity in new energy battery production

Is the production capacity in New energy sector sufficient?
From a global perspective,the production capacity in new energy sector is far from sufficient. In the "Global EV Outlook 2023," the International Energy Agency (IEA) projected that by 2030,the global demand for new energy vehicles will reach 45 million,more than triple the global sales volume in 2023 and 4.5 times that of 2022.

Will a shortage of EV batteries be a reality in 2022?
An astounding 60% of lithium,30% of cobalt,and 10% of nickel demands were directed to EV batteries in 2022,marking a substantial shift from five years earlier when these shares were 15 percent,10 percent and 2 percent respectively. In this context,a shortage of high-quality supply is more likely to be a realitythan overcapacity in the future.

Is overcapacity an economic issue?
However, this logic is untenable considering the U.S.'s significant export of products like chips and agricultural goods, said Lin. "Overcapacity may look like an economic issue, but the truth is, the U.S. is using it to hit Chinese industries and give itself an unfair advantage in market competition.

Why are lithium-ion batteries so popular in 2022?
It is also worth noting that key minerals are vital in lithium-ion battery manufacturing. An astounding 60% of lithium, 30% of cobalt, and 10% of nickel demands were directed to EV batteries in 2022, marking a substantial shift from five years earlier when these shares were 15 percent, 10 percent and 2 percent respectively.

Is 'overcapacity' a misconception?
First of all,the misconception of "overcapacity" is contrary to economic principles and common sense. The higher volume of exports is not overcapacity,Jin Xiandong,an official of the National Development and Reform Commission,said at a press conference on Wednesday.

What does 'overcapacity' mean?
"Defining 'overcapacity' as any production exceeding domestic demandis equating product exports with overcapacity and contradicts economic logic," it said.

But interestingly, the US-led West has been enthusiastically hyping China''s so-called "overcapacity" in new energy vehicles (NEVs), lithium-ion batteries and photovoltaic products.

Combining our research paper with future projections, I may conclude: in the long run, there are no visible signs of production overcapacity in the new-energy sector, as ...

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China is actively addressing overcapacity in its lithium battery industry through new regulatory measures aimed at optimizing production and enhancing technological innovation. These efforts come as the country faces significant price declines and profit erosion due to excessive production capacity, which has outstripped domestic demand.

As early as March this year, Ouyang Minggao, an academician of the Chinese Academy of Sciences, issued an early warning of battery overcapacity. He said that China"s battery production capacity may reach ...

A particular focus of attention on the overcapacity debate has been China"s "new three" sectors of solar power, electric vehicles (EVs) and lithium batteries - products that are also central to China"s and the world"s low-carbon energy transition.

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On December 7th, Haichen Energy held a ceremony for the commissioning of Phase 1 of its Chongqing base project. This base plans a total investment of 13 billion yuan, aiming to build a new ...

One of the issues raised by US Treasury Secretary Janet Yellen during her visit to China last month is the so-called overcapacity in China"s "new three" industries -- new energy vehicles, lithium-ion batteries and photovoltaic ...

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In what is just the next installment of solid-state battery factory developments by a Chinese company battling for market share, Jiangxi Judian New Energy Technology broke grounds on a new US$1.39 ...

China will need 1,000-1,200 GWh of power battery capacity by 2025, but the industry is already planning for 4,800 GWh of capacity, according to Changan"s chairman. The chairman of one of China"s largest automakers has warned about oversupply in the power battery industry, at a time when the risk is a growing concern.

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So we must look at overcapacity from the perspectives of production and sales. Purely electric vehicles account for over 70 percent of China"s new energy vehicle (NEV) sales. In 2023, the ...

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The new guidelines, effective from Thursday, lay out minimum energy density standards and stricter battery specifications, as well as advise that companies should refrain from the construction of new plants that "simply expand production capacity." Battery manufacturing projects on farmland and in environmentally sensitive areas will need ...

As early as March this year, Ouyang Minggao, an academician of the Chinese Academy of Sciences, issued an early warning of battery overcapacity. He said that China''s battery production capacity may reach 3,000 GWh in 2025, when battery shipments will only reach 1,200 GWh.

China''s booming lithium-ion battery cell industry is overshooting demand, which will lead to industry consolidation. Primary research from CRU''s battery team in recent site visits illustrates the context and scale of the issue. Gigafactory ...

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