

**JH Solar**

# Energy storage shipment forecast



## Overview

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InfoLink Consulting has released its Global Energy Storage Supply Chain Database. According to InfoLink's Global Energy Storage Supply Chain Database, global energy storage cell shipments totaled 314.7 GWh in 2024, up 60% YoY. The market showed a trend of early decline followed by a rebound, with.

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InfoLink Consulting research indicated that global energy storage cell shipments amounted to 114.5 GWh in the first half of 2024, with 101.9 GWh assigned to utility-scale (including C&I) storage and 12.6 GWh to small-scale storage (including communication). Despite an initial moderation in market.

The global energy storage market grew amid turbulence in the first half of 2024. Robin Song, InfoLink Consulting's energy storage analyst, breaks down the figures. The global energy storage cell shipment stood at 114.5 GWh in the first half of 2024, of which 101.9 GWh was going to utility-scale.

Three years into the decade of energy storage, deployments are on track to hit 42GW/99GWh, up 34% in gigawatt hours from our previous forecast. China is solidifying its position as the largest energy storage market in the world for the rest of the decade. Government investments and policies are.

InfoLink Consulting has launched its global lithium-ion battery supply chain database. According to InfoLink's global lithium-ion battery supply chain database, energy storage cell shipments reached 202.3 GWh in the first three quarters of 2024, up 42.8% YoY. The energy storage cell market.

The global power mix has reached a critical point, and Rystad Energy expects a peak in fossil fuels in the power sector to be imminent, with a structural shift ahead of the industry. While power demand is expected to continue to see

strong growth in 2025 and beyond, the growth rate of low-carbon.

GMT EIGHT - GGII: The shipment volume of China's energy storage lithium batteries in the first half of 2024 is 116 GWh, and the estimated annual shipment volume is expected to exceed 240 GWh. GGII: The shipment volume of China's energy storage lithium batteries in the first half of 2024 is 116 GWh. Which energy storage cell manufacturers have the most shipments in 2024?

In the first three quarters of 2024, global utility-scale energy storage cell shipments reached 180 GWh, up 49.4% YoY. The top five manufacturers, CATL, EVE Energy, Hithium, CALB, and BYD, dominate the market, with the top two holding nearly 55% combined share. Hithium, CALB, and BYD each shipped over 10 GWh with similar volumes.

How did energy storage cell shipments perform in 2024?

According to InfoLink's Global Energy Storage Supply Chain Database, global energy storage cell shipments totaled 314.7 GWh in 2024, up 60% YoY. The market showed a trend of early decline followed by a rebound, with 4Q24 shipments increasing 19.7% QoQ, reaching the annual peak for 2024.

What was the energy storage industry like in 2024?

In 2024, industry concentration remains high, with CR10 reaching 90.9%, roughly the same as in the first three quarters of the year. The top five companies in global energy storage cell shipments for 2024 were: CATL, EVE Energy, BYD, Hithium Energy Storage, and CALB. The top themes for the year were: stability, market shift, and key clients.

What is the future of energy storage?

Global installed energy storage is on a steep upward trajectory. From just under 0.5 terawatts (TW) in 2024, total capacity is expected to rise ninefold to over 4 TW by 2040, driven by battery energy storage systems (BESS). Last year saw a record-breaking 200 gigawatt-hours (GWh) of new BESS projects coming online, a growth rate of 80%.

What percentage of PCS shipments are to front-of-the-Meter (FTM) energy storage?

PCS shipments to front-of-the-meter (FTM) energy storage siting accounted for over 50% of total global shipments over the forecast period (2023-30), with the United States and China mainland accounting for the majority of these

shipments.

How did energy storage cell shipments perform in Q3?

In the first three quarters of 2024, global small-scale energy storage cell shipments reached 22.3 GWh, up 5.2% YoY. shipments in Q3 grew 12.9% QoQ, signaling continued recovery.

## Energy storage shipment forecast

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### Global energy storage cell shipment ranking 1Q-3Q24

According to InfoLink's global lithium-ion battery supply chain database, energy storage cell shipments reached 202.3 GWh in the first three quarters of 2024, up 42.8% YoY. ...

### 1H25 global and non-China energy storage cell shipment rankings

In 1H25, the energy storage cell market outperformed conservative expectations, showing an optimistic trend. At present, China has completed its shift to new growth drivers, ...



### Global energy storage system shipment ranking

Three years into the decade of energy storage, deployments are on track to hit 42GW/99GWh, up 34% in gigawatt hours from our previous forecast. China is solidifying its position as the largest ...

## Energy Storage Outlook

Global installed energy storage is on a steep upward trajectory. From just under 0.5 terawatts (TW) in 2024, total capacity is expected to rise ninefold to over 4 TW by 2040, ...



## Energy storage shipment forecast for 2025

Energy storage shipment forecast for 2025 In 2025, some 80 gigawatts (gw) of new grid-scale energy storage will be added globally, an eight-fold increase from 2021. Grid-scale energy ...



## [energy-storage](#)

Global renewable energy penetration analysis: Tracks renewable energy penetration trends in different countries, alongside power price structures and PV installation forecasts, helping ...



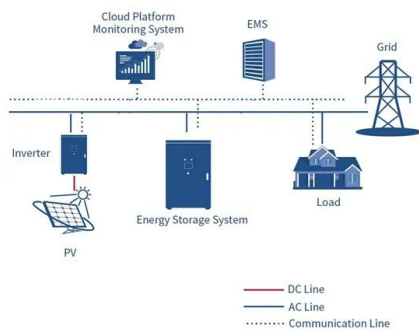
## 2024 Global and non-China shipments of energy storage cell: ...

According to InfoLink's Global Energy Storage Supply Chain Database, global energy storage cell shipments totaled 314.7 GWh in 2024, up 60% YoY. The market showed a ...



## GGII: Global energy storage lithium battery shipments of 225 ...

Global energy storage lithium battery shipment volume and forecast for 2021-2027 (GWh,%)  
 Data source: Advanced Industrial Research and Energy Storage Research ...



## Shipment ranking 3Q23: Global energy-storage cell shipments hit ...

The world shipped 143.8 GWh of energy-storage cells in the first three quarters of 2023, with utility-scale and C& I accounting for 122.2 GWh and residential and ...

Shipment volume and forecast of main materials in China's industrial chain from 2021 to 2024 (10,000 tons, 100 million square meters) China's power battery and energy storage battery ...



## Chinese shipments of energy storage batteries outpace growth in ...

Read more about how growth in Chinese shipments of batteries for energy storage systems (ESS) is exceeding growth in deliveries of batteries for electric vehicles (EVs).

## Global energy storage cell shipment: H1 2024 ...

The global energy storage cell shipment stood at 114.5 GWh in the first half of 2024, of which 101.9 GWh was going to utility-scale (including C& I) storage and 12.6 GWh was going to small-scale storage ...



## Cost, shipping, energy density drive move to ...

Clean Energy Associates (CEA) has released its latest pricing survey for the battery energy storage system (BESS) supply landscape, touching on pricing and product trends. The consultancy's ...

## Projected global battery demand by application

This large increase is mainly due to the electrification of transport which will account for the vast majority of battery demand in 2030 in terms of total energy storage capacity.



## Summary of Global Energy Storage Market ...

Pumped hydro accounted for less than 70% for the first time, and the cumulative installed capacity of new energy storage(i.e. non-pumped hydro ES) exceeded 20GW. According to incomplete statistics ...

## Global energy storage

Global energy storage capacity outlook 2024, by country or state Leading countries or states ranked by energy storage capacity target worldwide in 2024 (in gigawatts)



## Global energy storage cell shipment ranking 1Q-3Q24

In the first three quarters of 2024, global utility-scale energy storage cell shipments reached 180 GWh, up 49.4% YoY. The top five manufacturers, CATL, EVE Energy, ...

## Sino-American showdown! The top 10 global energy storage ...

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Huaxia Energy Network & Huaxia Energy Storage (public number hxcn3060) learned that on February 21, InfoLinkConsulting released the 2024 global energy storage ...



## CNESA Global Energy Storage Market Tracking

China market: Pumped Hydro Storage share falls below 50% for the first time. Non-hydro Storage accumulative installations surpass 50GW for the first time. According to CNESA DataLink's Global Energy ...

## 173GWh! Projections for Global Energy Storage

Fueled by factors such as a significant uptick in wind and solar installations, an expedited process of power market reform, fluctuations in ESS prices, and clearer policies, the ...



## CNESA Officially Released the 2024 China Energy Storage ...

To ensure the quality and comprehensiveness of energy storage data statistics, and to objectively analyze the development status of the energy storage industry for the year ...

## Energy storage inverter (PCS) shipments to reach ...

PCS shipments to front-of-the-meter (FTM) energy storage siting accounted for over 50% of total global shipments over the forecast period (2023-30), with the United States and China mainland accounting ...



## Global energy storage

With renewable sources expected to account for the largest share of electricity generation worldwide in the coming decades, energy storage will play a significant role in ...

## Energy Storage Service

The Energy Storage Service value proposition  
The IHS Markit Energy Storage Service is a premium service, which provides clients with a deep and comprehensive understanding of the ...



## Global Energy Storage Market Outlook Update: Q4 ...

The Global Energy Storage Market Outlook Update (MOU) provides a ten-year market outlook update from 2023 to 2033. It covers the key market trends, global competitions, policy updates, and projected ...

## H1 2024 Global Energy Storage Cell Shipments: Retrospect and ...

A rush to complete installations by June 30 drove utility-scale storage cell shipments in the first half of the year, resulting in a 44.3% year-over-year increase. ...



## Global Energy Storage Market Records Biggest ...

The global energy storage market almost tripled in 2023, the largest year-on-year gain on record, and that growth is expected to continue.

## GGII: The shipment volume of China's energy storage lithium

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According to the research statistics of the GGII Energy Storage Research Institute, the shipment volume of lithium batteries for energy storage in China in the first half of ...



## Energy Storage System forecast

Energy Storage Market has reached another record in 2022, adding globally 16GW/35GWh of capacity, 65% more than 2021, according to the BloombergNEF. <https://about>.

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