

# Export restrictions on energy storage equipment

Which international trade issues will remain a concern for energy storage projects?

Two major areas of international trade that will remain causes of concern for energy storage projects are the application of tariffs and supply chain integrity.

What is energy storage export & import?

cient and effective interconnection process for ESS. Energy storage export and import can provide beneficial service to the end-use customer as well as the electric grid. These capabilities can, for example, balance power flows within system hosting capacity limits, reduce grid operational costs, and enable a

Can a power control system be exported?

Export4.10.4.3.1 Certified Power Control SystemsDER may use certified Power Control Systems to limit export. DER utilizing this option must use a Power Control System and inverter certified per UL 1741 by a nationally recognized testing laboratory (NRTL) with a maximum open loop response time

Is my product/service subject to a US export control?

Is Your Product/Service Subject to a U.S. Export Control? Federal law requires exporters to use the Automated Export System (AES) to report shipments valued at \$2,500+or if it requires an export license. Learn when you need an Export License and from whom in order to ship your products from the United States.

How long to limit inadvertent export?

f no more than 30 secondsto limit Inadvertent Export. NR Power Control System CertificationNon-Export ControlsRequirement Decision shall be accepted until similar test procedure for power control systems are included in a standard. This option is not available

Does limiting power via configuration limit export power?

via configuration (known as Configured Power Rating). This optional feature can be tested with the IEEE 1547.1-2020 test procedures.<sup>30</sup> While limiting power via configuration settings does limit export power,it would also generally limit the ability to serve any onsite load when this limit affects the power

Trina Solar plans to achieve 8-10GWh energy storage system shipments in 2024. Concurrently, Sigenery signed a 1GWh energy storage framework agreement with Aprilice, ...

These recent restrictions are broadly seen as a response to prior actions that have impacted semiconductor exports to China from the United States, Japan and the European Union: the ...

The U.S. State Department has issued a final rule that effective 24 April will remove additional high-energy

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storage capacitors from U.S. Munitions List category XI and ...

The Dutch government imposed restrictions on the export of semiconductor manufacturing equipment to China in 2023. Japan, too, meted out restrictions on deep ...

President Trump's sweeping tariff and policy shifts could undermine plans to expand U.S. production of critical minerals for clean power.

China's new export bans could reshape the global battery sector, impacting electric vehicles and renewable energy storage As the world ...

The U.S. clean energy industry has long relied on an international supply chain to source equipment for generation and storage technologies. However, stimulated by recent ...

As detailed below, configuration #1 applies to stand-alone energy storage that is not operated with other onsite generation. Configuration #1 also applies to energy storage that is operated with ...

Discover how China's revised export control catalog restricts battery technologies and lithium processing while balancing innovation with security.

Another area that needs greater attention is export restrictions, with a potential to restrict trade in critical minerals. Export restrictions can take various forms and have several direct and indirect ...

New restrictions on international trade have become near-daily headlines. Sanctions, export controls, restrictions on foreign investment in the U.S., and actions ...

Executive Summary Dual-use products and materials, those with both military and civilian applications, are subject to export controls. These export controls make U.S. clean ...

concept of export control for storage and other DERs. First, some procedures do not recognize the concept of export limiting at all. The FERC SGIP contains little discussion or acknowledgement ...

This policy brief provides an overview of the primary provisions of U.S. trade law that have been used to address trade concerns in clean energy.

China has put export restrictions on technologies critical for producing electric vehicle batteries, in a move to consolidate its dominance in ...

2 ¶ Germanium prices have reached a 14-year high due to Chinese export restrictions, creating a supply crunch for Western defense manufacturers reliant on the critical metal for ...

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It is therefore expected that the latest round of tightening regulations on technology export for cathode, lithium processing, and lithium refining will have a significant ...

18 &#0183; Global supply chains are once again under stress, this time due to China's tightening grip on rare earth exports. Since April 2025, Beijing has imposed licensing ...

Beijing is planning to curb the export of technology used to extract minerals critical for the growth of the global electric vehicle (EV) industry, as a tech rivalry with ...

China's proposal of export control will implicate key equipment and technologies for the intermediate stages. As mentioned by IEA's report last year, China managed to lower ...

The Chinese Ministry of Commerce has proposed further export restrictions on some technologies used to manufacture battery components ...

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Discover how China's revised export control catalog restricts battery technologies and lithium processing while balancing innovation with ...

The export restrictions are part of China's broader strategy to protect its innovations in battery production, safeguard its dominance over the entire supply chain, as well ...

The United States export control system is a complex web of federal laws and regulations that govern how sensitive commodities, technologies, software, and services are ...

China's Ministry of Commerce has proposed restricting the export of technologies for producing lithium iron phosphate (LFP), an ...

G100 generally refers to the energy export limiting of the combination of inverters and power management equipment such as a smart meter - very rarely does an ...

An export limitation scheme measures the Apparent Power (kilowatts) at the exit point of the installation and then uses this information to either restrict generation/energy storage output or ...

Globally, export restrictions on critical raw materials increased five-fold over the last decade. China raised the number of restrictions on critical raw materials needed for EVs--including ...

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Trade war: China wants to introduce further export restrictions on batteries The Chinese Ministry of Commerce is tightening export rules for ...

State has previously said that these changes will reduce the regulatory burden on those who export, temporarily import, retransfer, reexport, or perform brokering activities ...

Regulations Export Administration Regulations (EAR) Commerce Control List (CCL) Commerce Control List Index Commerce Country Chart Search the EAR Federal Register Notices GPO's ...

Chinese companies have successfully commodified lithium iron phosphate (LFP) batteries for energy storage systems. They are cornering the ...

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