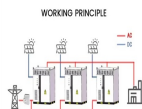
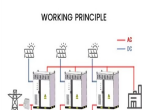


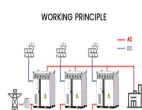
# ARE U S ENERGY STORAGE SITES SAFE



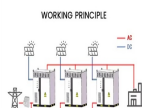
Are battery energy storage facilities safe? **FACTS:** No deaths have resulted from energy storage facilities in the United States. Battery energy storage facilities are very different from consumer electronics, with secure, highly regulated electric infrastructure that use robust codes and standards to guide and maintain safety.



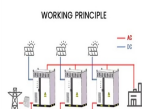
Are energy storage systems safe? Altogether, like other electric grid infrastructure, energy storage systems are highly regulated and there are established safety designs, features, and practices proven to eliminate risks to operators, firefighters, and the broader community.



Are battery energy storage sites a fire hazard? Fire-related incidents at battery energy storage sites are rare, and investigations into historical incidents have not found health risks to neighbors or the surrounding community.

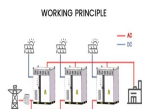


What's new in energy storage safety? Since the publication of the first Energy Storage Safety Strategic Plan in 2014, there have been introductions of new technologies, new use cases, and new codes, standards, regulations, and testing methods. Additionally, failures in deployed energy storage systems (ESS) have led to new emergency response best practices.

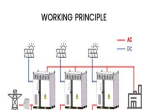


Is utility-scale battery energy storage safe? Utility-scale battery energy storage is safe and highly regulated, growing safer as technology advances and as regulations adopt the most up-to-date safety standards. Discover more about energy storage & safety at [EnergyStorage.org](https://EnergyStorage.org)

# ARE U S ENERGY STORAGE SITES SAFE



Are energy storage battery fires decreasing? FACTS: Energy storage battery fires are decreasing as a percentage of deployments. Between 2017 and 2022, U.S. energy storage deployments increased by more than 18 times, from 645 MWh to 12,191 MWh<sup>1</sup>, while worldwide safety events over the same period increased by a much smaller number, from two to 12.



Energy storage is a resilience enabling and reliability enhancing technology. Across the country, states are choosing energy storage as the best and most cost-effective way to improve grid resilience and reliability. ACP has compiled ???



Like any other energy center, energy storage sites require responsible stewardship to operate effectively. Reza Talieh, renewable project engineer at Invenenergy, took some time recently to discuss how Invenenergy handles energy ???



Hecate Grid is proposing to construct the Swiftsure Project, a new, up to 650 MW, Battery Energy Storage System (BESS) on Staten Island. The Project will work with the FDNY and DOB on a site specific design that meets ???



Energy storage is a critical part of U.S. infrastructure???keeping the grid reliable, lowering energy costs, minimizing power outages, increasing U.S. energy production, and strengthening national security. Grid-scale battery ???



The energy storage industry is committed to acting swiftly, in partnership with fire departments, safety experts, policymakers, and regulators to enact these recommendations. Learn more about the energy storage ???

# ARE U S ENERGY STORAGE SITES SAFE



Battery safety has come a long way since the construction of the 300 MW first phase of Vistra Energy's Moss Landing Energy Storage Facility in California which caught fire on January 16. From the choice of chemistry, fire ???



The working group will immediately begin making safety inspections of energy storage sites, while its longer term remit includes creating best practices and addressing risks, ???



To strengthen battery energy storage safety management, manufacturers now conduct large-scale fire testing (LSFT) to provide evidence when assessing the risks and support regulatory approvals. Adherence to ???



Amid booming growth of the industry across the U.S. ??? the number of storage sites increased 25,000% since 2018 ??? there have been 20 fires or related incidents across the U.S. in the past decade.



In the realm of BESS safety, standards and regulations aim to ensure the safe design, installation, and operation of energy storage systems. One of the key standards in this field is the IEC 62933 series, which ???



Global energy storage deployments are set to reach a cumulative 411 GW/1194 GWh by the end of 2030, a 15-fold increase from the end of 2021, according to the latest BloombergNEF forecast. Given this projected rapid ???

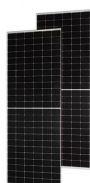
# ARE U S ENERGY STORAGE SITES SAFE



CLAIM: The incidence of battery fires is increasing. FACTS: Energy storage battery fires are decreasing as a percentage of deployments. Between 2017 and 2022, U.S. energy storage deployments increased by more than 18 times, ???



According to the data collected by the United States Department of Energy (DOE), in the past 20 years, the most popular battery technologies in terms of installed or planned capacity in grid applications are flow batteries, ???



We design, construct and operate our energy storage systems in accordance with all relevant national and international standards and procedures, proven to keep these sites safe. These include the International Fire Code (IFC), International ???