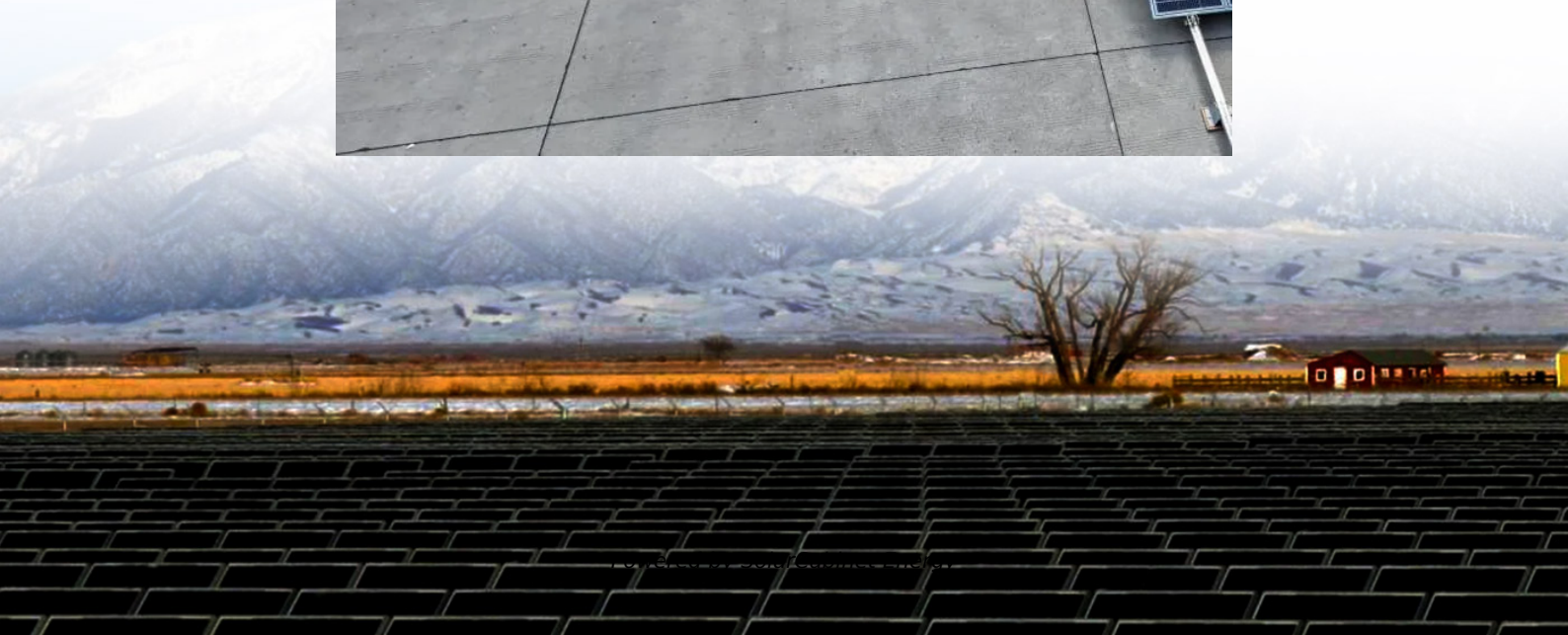
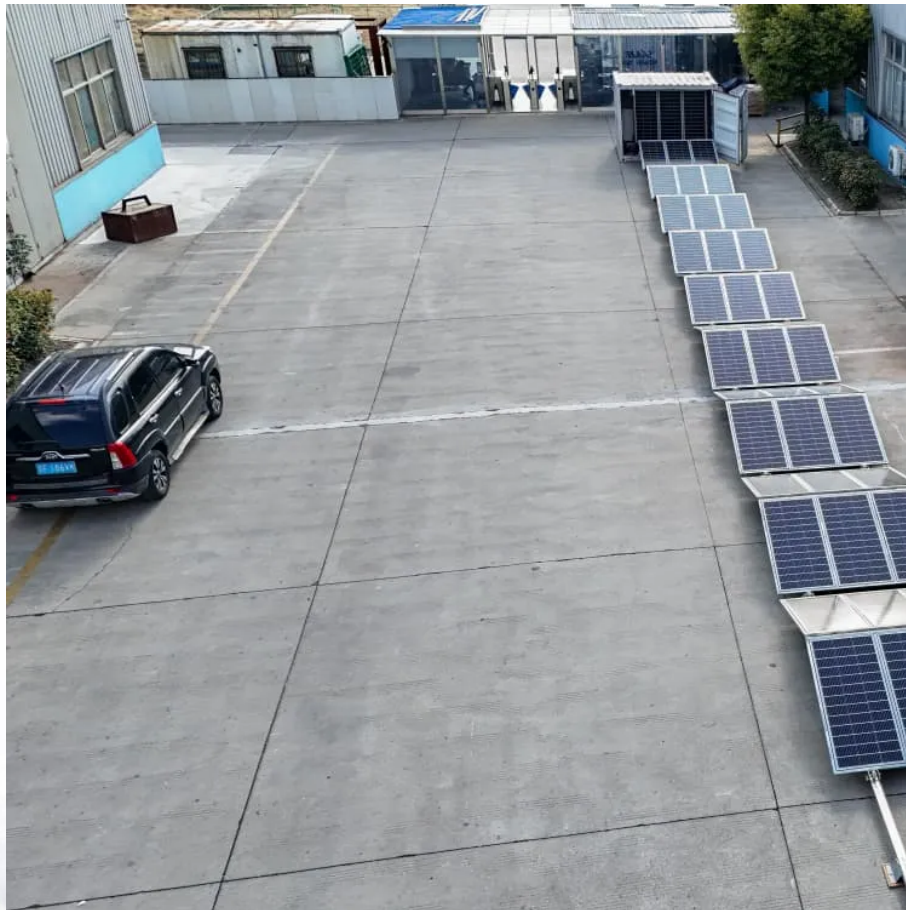


What types of energy storage power supplies are available in Ireland





Overview

What storage technologies are needed in Ireland?

Currently the two key storage technologies in Ireland are short duration battery storage and pumped storage hydro. Both are established technologies and batteries especially are modular and have short build times. However, the future system may need additional storage technologies to encourage an optimal generation mix.

Can energy storage be deployed in Ireland?

Appropriate and timely regulatory and market design is therefore essential to allow the deployment of energy storage in Ireland at the scale required to achieve current environmental policy objectives. However, the current policy framework is unsuitable to deliver the volumes and types of energy storage we will require.

What is energy storage Ireland?

Energy Storage Ireland is a newly established representative body composed of industry members who are active in the development of the energy storage market in Ireland.

Does Ireland need a policy framework for energy storage?

A robust policy, regulatory and commercial framework is needed to allow the deployment of energy storage in Ireland at the scale required to achieve current renewable policy objectives and our long-term decarbonisation ambitions. However, the current policy framework is unsuitable to deliver the volumes and types of energy storage we will require.

Which technologies can be used in Ireland?

Different technologies rank differently under these headings, however as a whole we find that technologies such as battery storage, hydrogen, and pumped storage hydro will find applicability in Ireland. However, it is clear that



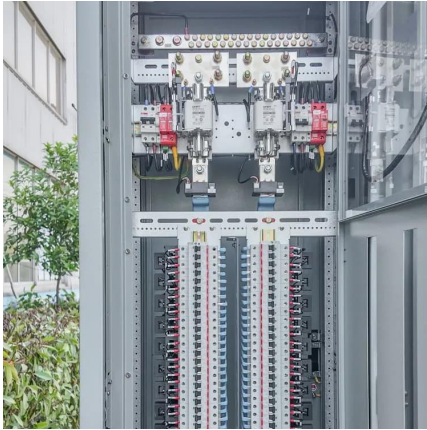
there are different considerations depending on the technology type.

Can energy storage save money in Ireland?

By contributing to security of supply, helping to support renewable capacity, and displacing fossil fuels in the balancing market, energy storage can deliver a net saving to end consumers in Ireland of up to €85m per year.



What types of energy storage power supplies are available in Ireland

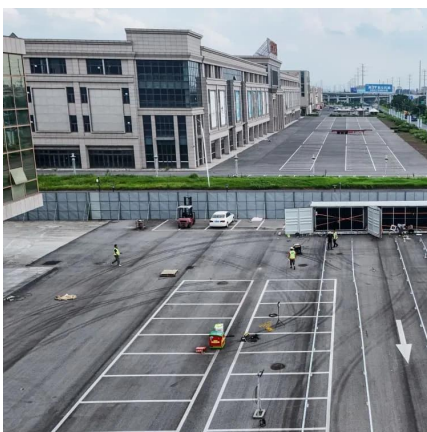
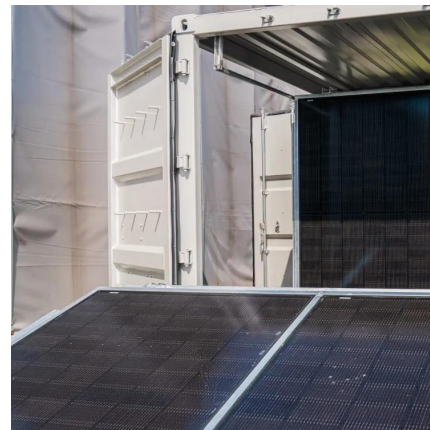


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The supply of energy from primary sources is not constant and rarely matches the pattern of demand from consumers. Electricity is also difficult to store in significant quantities. Therefore, ...



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While there are technical and geographical constraints for certain technologies, three technologies suitable for implementation in Ireland are battery storage in the short term, pumped storage ...

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