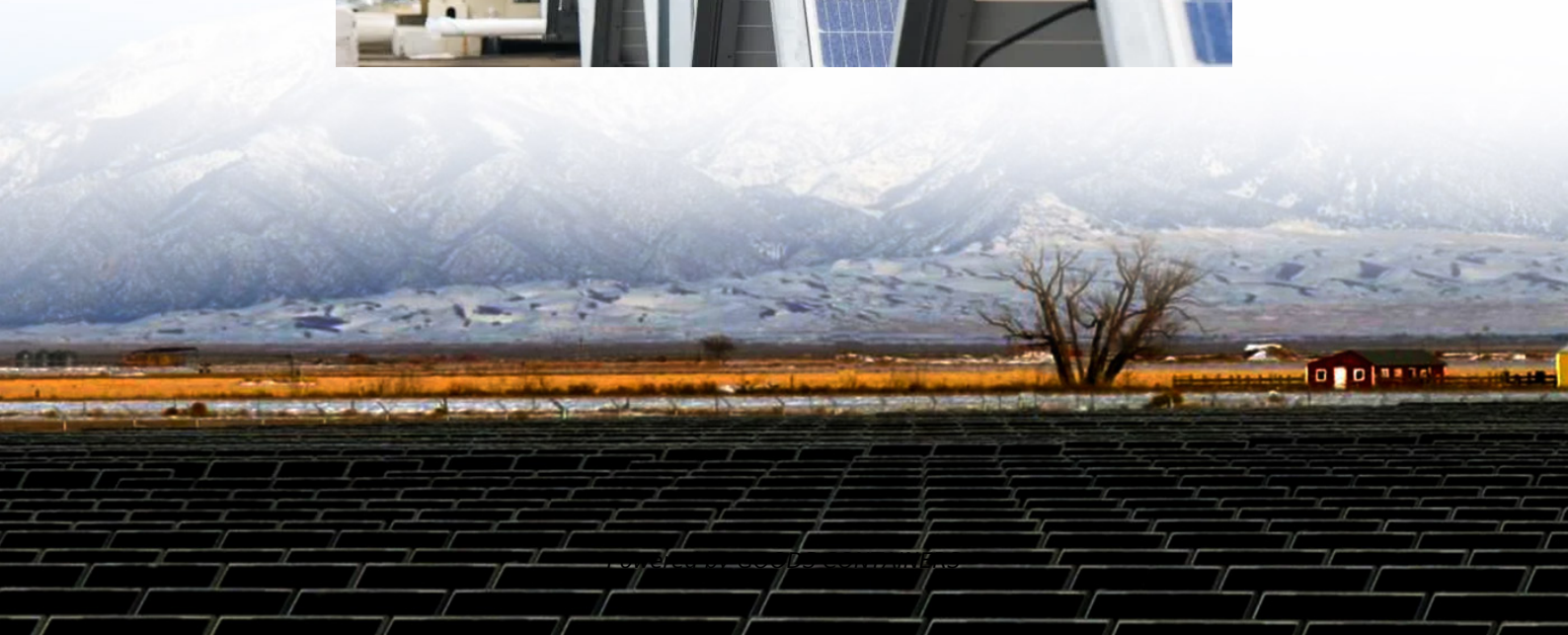


# **Solid state breaker in China in Ireland**





## Overview

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What is the difference between a mechanical and solid-state circuit breaker?

Solid-state technology guarantees an extremely fast interruption and clears a fault in a few microseconds. In comparison, a mechanical circuit breaker with the same frame size takes a few milliseconds. ABB's solid-state circuit breaker can detect and respond to a short circuit fault 100 times faster than a mechanical circuit breaker.

What is a solid-state circuit breaker?

Solid-state circuit breakers are faster, can be dynamically adjusted and can be connected to the intelligent network and monitored remotely. They can be used in various applications, including residential, commercial and industrial AC systems.

How fast can a solid state circuit breaker detect a short circuit?

ABB's solid-state circuit breaker can detect and respond to a short circuit fault 100 times faster than a mechanical circuit breaker. Energy storage systems and their corresponding electrical grid services are strongly affected by the downtime in case of an internal fault.

Are sic FETs a good choice for solid-state circuit breakers?

Interest in solid-state circuit breakers is rising, and normally-off SiC FETs in a dual-gate setup offer a simplified path to high-current DC and AC protection solutions. 10BASE-T1S is set to replace traditional interfaces, while being faster and only using single twisted pair.



## Solid state breaker in China in Ireland

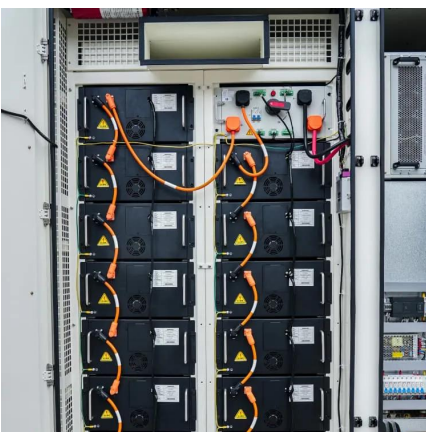


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