

# Emergency generator can use energy storage station





## Overview

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Are battery energy storage systems better than diesel standby generators?

Overall, battery energy storage systems represent a significant leap forward in emergency power technology over diesel standby generators. In fact, the US saw an increase of 80% in the number of battery energy storage systems installed in 2022.

Are diesel standby generators sustainable?

While diesel standby generators have long been the standard in emergency power supply, their limitations are becoming increasingly apparent. This realization is pivotal in driving the shift towards more sustainable and efficient alternatives, such as battery energy storage solutions (BESS).

What is a stored energy system?

Stored-energy systems: Systems that store the required backup energy. Types of stored-energy systems are uninterruptible power systems, fuel cell systems, energy storage systems and storage batteries. The most common type of power source for emergency and standby power systems is an engine-driven generator.

What is an emergency power system?

Safety and Independence: Emergency power systems are often dedicated to supporting life safety systems, including emergency lighting for egress, fire pumps, sprinkler systems, and fire alarm systems, ensuring that these critical functions remain operational during a power outage.



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