



# Critical infrastructure energy solar battery genset

Can energy storage support critical facilities during a power outage?

WASHINGTON, D.C. - The U.S. Department of Energy's (DOE) Office of Electricity (OE) today announced three storage technologies projects that will receive up to \$5 million each to demonstrate the ability of energy storage to support critical facilities and infrastructure during a power outage or other emergency.

What makes solar a unique asset for resilience?

Two key attributes make solar a unique asset for resilience. The first is that solar generation can be distributed, as opposed to centralized. This means individual buildings can host their own solar systems to meet some or all of their power needs.

Are IBR generators stable?

nous generators (e.g., natural gas- or coal-fired generators) with large spinning masses. To date, IBRs have been designed to rely upon these conventional resources to provide a stable grid that they can connect into. However, grid stability may be challenged as increasing amounts of synchronous g

What makes solar energy a key contributor to resilience?

The second attribute that makes solar energy a key contributor to resilience is that sunlight-generated electricity can be stored and discharged without the need for fuel deliveries, unlike conventional diesel generators, which are the most common source of emergency backup power.



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