

# Puerto Rico sodium ion battery energy storage

Who owns Puerto Rico's battery energy storage system?

Puerto Rico Electric Power Authority owns Puerto Rico Electric Power Authority's Battery Energy Storage System (BESS). The BESS project will be interconnected to an 115kV switchyard owned by PREPA. The 20.0 MW/20.0 MWh BESS system should have the flexibility and modularity to expand to a 40 MW/160 MWh BESS Facility.

How much money is available to install solar & battery storage systems?

SAN JUAN, Puerto Rico -- The U.S. Department of Energy said Thursday that \$365 million is available to install solar and battery storage systems in homes and healthcare centers across Puerto Rico.

What is NREL doing in Puerto Rico?

NREL's energy storage and grid analysis research is now, as part of a broad array of activities in Puerto Rico, helping DOE provide homes across the territory with individual solar and battery energy storage systems to help mitigate those outages and ensure Puerto Ricans have clean, reliable, and affordable energy.

How much money does Puerto Rico have to pay for solar?

Up to \$190 million is available to Puerto Rico's Housing Administration and a private company to pay for solar and battery installations in public housing common areas and subsidized, multifamily housing properties. Another \$175 million is available for certain healthcare and dialysis centers.

Is sodium ions a good energy storage material?

Another area that's being researched for energy storage is sodium ions. Sodium is both less likely to cause major fires and less costly than lithium. "There is a ton of sodium everywhere," Blair said. "It's a very low-cost material, and researchers are working on getting the engineering right."

Can NREL recycle battery materials?

Beyond looking into new materials for energy storage, NREL is also delving into the ways to recycle battery materials and components back into production.

4 ???&#0183; Up to \$190 million is available to Puerto Rico's Housing Administration and a private company to pay for solar and battery installations in public housing common areas and ...

6 ???&#0183; WASHINGTON D.C. - The U.S. Department of Energy (DOE) today announced four Puerto-Rico-based teams selected to install solar and battery storage systems under its new ...

The company, based in Denver, Colorado, and San Francisco, California, said on Wednesday (17 July) that it has secured the financing ahead of beginning pilot production of sodium-ion (Na-ion) batteries and energy

# **Puerto Rico sodium ion battery energy storage**

storage ...

Sodium-ion has theoretical advantages that could make it complementary to lithium-ion in the battery market, if not a direct competitor. The energy density of most types of lithium battery tends to be much higher than ...

5 ???&#0183; The U.S. Department of Energy says \$365 million is available to install solar and battery storage systems in homes and healthcare centers across Puerto Rico By The ...

Web: <https://purelysolar.co.za>