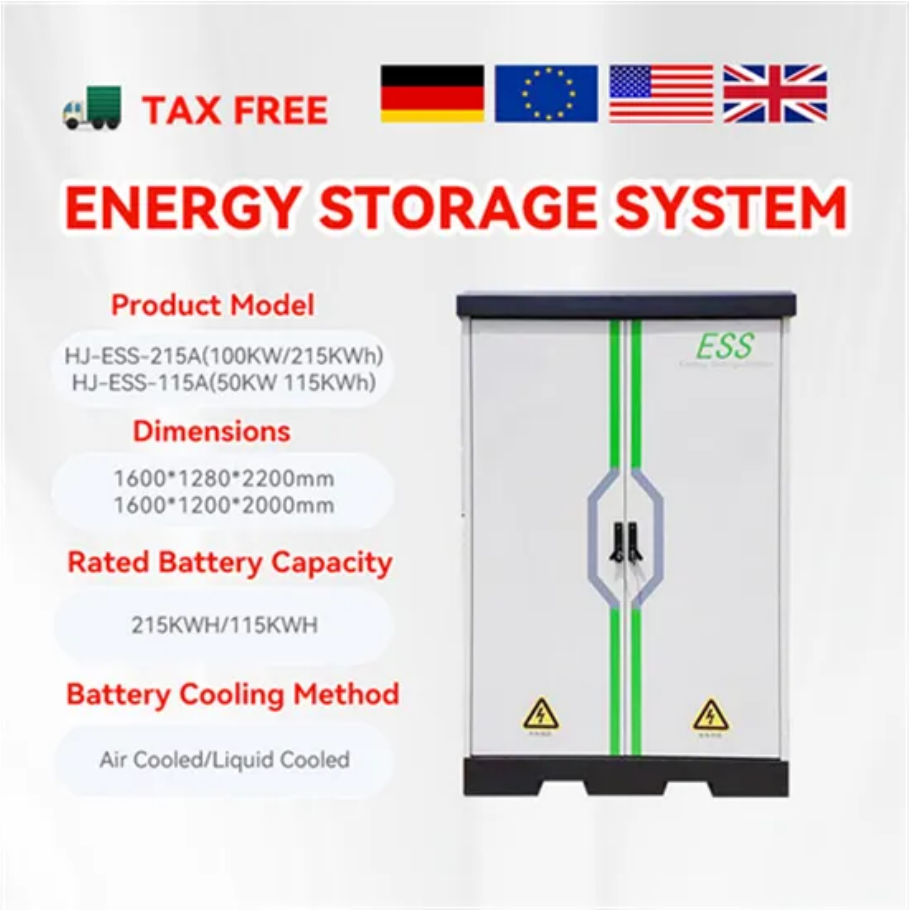
SolarTech Power Solutions

Duge solar Power Generation System



Overview

Can solar power power a GE 7E gas turbine?

The end-to-end “green” hydrogen system at Duke Energy’s DeBary plant in Florida will produce hydrogen using solar power and use it to power a GE 7E gas turbine for peaking power applications. Courtesy: Duke Energy.

Does Duke Energy have a wing-to-wing energy system?

Duke Energy embarked on its Debary Hydrogen Project featuring a wing-to-wing energy system: The company will leverage excess solar generation to produce their own hydrogen and then store it onsite in tanks. And finally, GE will upgrade Debary’s 7E gas turbine in third quarter of 2024, enabling it to run on up to 100% hydrogen to meet peak demand.

How does the DeBary solar power plant work?

As the DeBary Solar Power Plant captures energy from the sun, 74.5 MW of clean energy will make its way onto the grid. A portion of this energy will power the two 1-MW hydrogen electrolyzer units, which efficiently splits the water molecules into hydrogen and oxygen.

Does Duke Energy offer solar services?

Duke Energy acknowledges that solar is a great renewable energy choice and is playing an important role in how they provide electricity to customers. Find out how (if they offer specific solar services).

Why is Duke Energy developing innovative renewable power projects?

That's why we're developing innovative renewable power projects to serve communities and meet the needs of the overall grid. Duke Energy is constantly evolving and seeking ways to provide clean energy solutions to our customers.

Will Duke Energy's DeBary plant be a green power plant?

Duke Energy’s DeBary plant is expected to become among the first commercially operational power plants to produce, store, and use green hydrogen for peaking power applications. Furthermore, it's the first commercial operation of a gas turbine of this class on 100% hydrogen fuel.

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