

What is Arizona's First Solar-fueled battery?

PHOENIX -- Two homegrown leaders in renewable energy, Arizona Public Service and First Solar (Nasdaq: FSLR), are bringing a first-of-its-kind 50-megawatt (MW) solar-fueled battery to the desert to provide clean power to Arizonans on hot summer days. This project will make Arizona home to one of the largest battery storage systems in the country.

How many solar panels does APS have in total?

APS currently has more than one million solar panels on its system. Over the next 15 years, APS plans to adopt more than 500 MW of additional battery storage.

How will APS & first solar work together?

By pairing clean solar energy with advanced battery technology, First Solar and APS will be able to store power when the sun is high in the sky and deliver it to customers between 3 and 8 p.m. when the sun is on its way down, but energy use is peaking. This means that APS customers can get more of their peak power from solar.

Who is APS Solar?

APS Solar, founded by Rick Burkhard in 2002, is a company based in Sonora. I started this business as a way to bring my personal passion for solar and electrical engineering to our community. Solar technology has evolved a lot since then, and there is an increasing demand for independence from an uncertain energy future.

Who is first solar?

First Solar is a leading global provider of comprehensive photovoltaic (PV) solar systems which use its advanced module and system technology. The company's integrated power plant solutions deliver an economically attractive alternative to fossil-fuel electricity generation today.

Why is Arizona partnering with First Solar?

"Partnering with an Arizona company such as First Solar to pair solar power with advanced battery storage is good for our customers and continues our state's national leadership in clean energy innovation," said Don Brandt, Chairman, President and CEO of APS. For First Solar, the project represents the next step in solar energy.

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Tempe-based First Solar Inc. will build a large solar plant in the West Valley that will use a massive battery to deliver power to Arizona Public Service Co., the companies said Monday.

Dubbed a solar battery, the first modern silicon cells debuted by powering a toy windmill and a radio, reaching an efficiency level of 6 percent. The silicon cells became the basis for launching the solar energy industry.

APS and First Solar are bringing a first-of-its-kind 50-MW solar-fueled battery to Arizona, making it home to one of the largest battery storage systems in the U.S.

Arizona Public Service Co. and Tempe-Based First Solar announced Monday they will build the solar panel array and battery bank near the Palo Verde Nuclear Generating Station 50 miles ...

But not all utilities treat solar-plus-storage the same. If you're in the Phoenix metro area, the value of adding a Tesla Powerwall or other battery system depends heavily on ...

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APS also recently executed an agreement with Invenergy to add battery energy storage to six APS solar plants located in Maricopa County and Yuma County. The plans to pair storage with solar through this new RFP and ...

APS and First Solar are all set to bring 50 MW solar- fueled battery to the desert to provide clean power to Arizonans making it the home to one of the largest battery storage systems in the ...

Three new APS programs featuring advanced technology make it easier for customers to consume electricity at midday, when solar energy is plentiful, and to conserve ...

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They eventually linked together several individual cells to make a solar battery. They were able to convert 6% of sunlight into usable electricity, making this the first example of a practical solar battery.

APS provides support to customers installing equipment that connects with our grid, such as a solar system, a home battery or other type of generator. We want everything to go smoothly for you and your installer throughout the permitting ...

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BY CHRIS McDANIEL KAWC NEWS YUMA - A new large-scale energy storage system - connected to an existing APS solar power plant in the Yuma Foothills - now provides electricity to customers, even after the sun ...

Dos líderes locales en energía renovable, Arizona Public Service y First Solar (Nasdaq: FSLR), llevarán al desierto una batería de 50 megavatios (MW) alimentada por energía solar, la ...

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