



Press release

sonnen builds first sonnen city in the USA

A new city is being built in the US state of Arizona, where 3,000 homes will produce, store, and share their own power. In doing so, the German company has undertaken what is currently the biggest residential power storage project in the USA.

Wildpoldsried, 13 October 2017 – sonnen is installing its sonnenBatterie energy storage solution in 3,000 new homes in the US state of Arizona. This is part of the new concept by home builder and urban planner Mandalay Homes, which is building a new community in Prescott Valley in the US state of Arizona.

A photovoltaic system and a sonnenBatterie will be installed in all homes in Jasper, enabling every household to produce most of the electricity it consumes by itself. This will keep the power bill of each home very low from the outset.

The energy storage systems will also be interconnected and able to communicate with each other. This technology, which is already used for power sharing in the sonnenCommunity in Germany, will make it possible to create a virtual power plant with a capacity of 23 MWh and output of 11.6 MW. This large buffer can store energy during peak production times and then feed it back into the grid later when consumption is very high. In return, the sonnen-City will also be able to contribute to the public power grid.

‘This is the city of the future, a place where all residents produce, store and share their own energy. The fact that we were able to realise this project in Tesla’s home market territory demonstrates how we are surpassing Tesla when it comes to

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technology in America's energy sector,' says Philipp Schröder, Managing Director of Sales and Marketing at sonnen.

The sonnenBatteries also interact with a smart home controller to store solar power as well as distribute it with precision to each home's air conditioning systems, lighting, and other power consumers such as pool pumps.

Until now, the sonnenCommunity's technology was limited to Europe and Australia. Now, for the first time, sonnen has developed a technology solution – and done so even without its own energy supplier's license, as the American energy market is highly monopolized. sonnen uses its technology only on the property of the city and not on the side of the public grid, thereby circumventing the monopoly of the power companies.

Thanks to the decentralised supply structure, the new town of Jasper is also less susceptible to power outages. Because all homes can supply themselves with energy, they can even bridge long outages in the public grid, for example during natural disasters.

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About sonnen

The sonnen Group is one of the fastest growing companies in Germany. In a ranking of the “Top 50 Smartest Companies 2016” by the Massachusetts Institute of Technology (MIT), sonnen was listed alongside Amazon, Facebook and Tesla. Investors in the Bavarian company include the US technology corporation General Electric. sonnen already supplies over 100,000 people globally with energy. The sonnenCommunity is an online network based on the blockchain idea for sharing self-generated power.

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