



# Behind the meter energy storage

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As subject matter experts, we provide only objective information. We design every article to provide you with deeply-researched, factual, useful information so that you can make informed home electrification and financial decisions. We have:

Sourced the majority of our data from hundreds of thousands of quotes through our own marketplace.

Incorporated third-party data and information from primary sources, government agencies, educational institutions, peer-reviewed research, or well-researched nonprofit organizations.

Built our own database and rating system for solar equipment, including solar panels, inverters, and batteries.

We won't charge you anything to get quotes through our marketplace. Instead, installers and other service providers pay us a small fee to participate after we vet them for reliability and suitability. To learn more, read about how we make money, our Dispute Resolution Service, and our Editorial Guidelines.

The electricity system is changing, from the way we generate power to the way we distribute and use it. All grid-tied energy systems are situated either "in front of the meter" or "behind the meter," and as more and more electric customers take control of their production and usage, it is important to understand the fundamental differences between these two positions on the larger electric grid.

"Behind-the-meter" refers to an energy system's position in relation to your electric meter.

In general, residential solar panel systems live behind the meter.

You can compare behind-the-meter solar panel systems on the EnergySage Marketplace today.

The difference between behind-the-meter (BTM) and front-of-meter systems comes down to an energy system's position in relation to your electric meter. A BTM system provides power that can be used onsite without passing through a meter, while a front-of-meter system provides power to off-site locations. The power provided by a front-of-meter system must pass through an electric meter before reaching an end user.

BTM systems can provide energy directly to your home or business without going through an electric meter and interacting with the electric grid. If electricity has to pass through your electric meter to reach your property, that electricity came from in front of the meter or the grid. If electricity doesn't need to pass through an electric meter to reach your property, that electricity came from a BTM system. All electricity end customers sit behind the meter.



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Any energy generation on your property is considered behind the meter. This includes home solar panel systems, small wind turbines, and even gas-powered generators. All of these technologies generate electricity that you can use on the premises. In the case of wind and solar, excess generation can be sent through your meter and to the grid for credit on your electricity bill (known as net metering).

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