

## What Is Battery Storage + Solar?



(Image source: [Solar Battery Group](#))

A residential battery storage system stores electricity for use later. It can charge up when electricity is abundant or cheaper, such as during the middle of the day or overnight, and then power your home when electricity prices are higher, when the grid is under stress, or during a power outage. Batteries are especially useful when paired with rooftop solar, because they can store the excess solar energy your panels generate during sunny hours and make it available in the evening or at night, when your solar production drops but your home's energy use often increases.

Home battery systems are typically installed in places like a garage, basement, or utility room. Most systems range from about 5–20 kWh of usable storage, which can keep essential appliances and devices running for roughly 24 hours (depending on your home's energy use and what loads you choose to back up). The most common type of home battery is lithium-ion, which generally lasts 10–15 years or around 6,000 charge cycles.