



Ask the Expert

Why should I consider home energy storage?

Electricity costs are rising in markets all over the US. Utility companies are hitting up users for time-of-day and peak-demand charges. Home energy storage systems give homeowners the control so they can intelligently save on the cost of electricity.

These storage systems, like the Q.HOME+ ESS HYB-G1 expected for release in Q3, are a lot more affordable than people

may assume. The system monitors the electrical grid to know the rates and demands and enables homeowners to purchase energy during the most favorable times. Every three seconds the system is optimized, so it's always monitoring the health of the power for your home or business. The system stores, in a battery backup, the net solar energy and then uses it during peak times,

so instead of paying for the most expensive grid power, you can use the stored solar power. It's much more economical.

Additionally, the Q.HOME+ ESS is flexible. It can store anywhere between 4.5 and 18.9-kilowatt hours. The homeowner can start small but add more storage capacity over time. It can give users hours or days of autonomy for backup purposes. In certain areas, like California where the power is shut off during times of fire risk, homeowners with an energy storage system can keep their lights on.

You can't go wrong with the cost

savings. Typical return on investment for solar is around seven years, and a storage system can easily knock two or three years off that pay-back time. Also, the system is remotely monitored via an online application, so if anything were to go wrong, Q CELLS can troubleshoot the system and determine how to correct the problem. Unlike other companies, we are a one-stop shop for solar panels and an energy storage system. Q CELLS is the manufacturer and thus the single point of contact for all post-sales processes regarding product support.



Ralph Alvarado,
Product Manager for
PV Products, Q CELLS

Usage of renewable energy sources has quadrupled over the past decade with solar leading the way, according to the **Global Trends in Renewable Energy Investment** report. Yet many who utilize solar are still purchasing increasingly costly electricity from the grid. Home energy storage systems, like the one made by leading global solar company **Q CELLS**, can help cut back on grid purchases and ultimately keep the lights on. The company's Product Manager for PV **Ralph Alvarado** has been working in the solar industry for more than half a decade. Here he shares some of the benefits of home energy storage.

PHOTOS: COURTESY OF Q CELLS

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