



WALMER ENERGY

# Does solar industry need energy storage now





## Overview

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### Why is solar power important?

Solar power has become more affordable and efficient and, combined with storage solutions, will play a vital role in the global clean energy transition.

### What is energy storage & why is it important?

Energy storage solutions are crucial to unlocking the full value of PV systems, as they address the inherent variability of solar energy generation. While solar panels generate electricity during the day, ESS addresses the variability by storing surplus energy for use during cloudy periods or at night.

### Why do we need energy storage solutions?

Energy storage solutions also play a critical role in reducing dependency on fossil fuel-based backup power and mitigating strain on the grid during peak demand periods. Together, PV and ESS solutions create a more resilient, flexible and sustainable energy infrastructure.

### Why are solar panels becoming more sustainable?

Additionally, technological improvements have enhanced modules durability, reduced degradation and extended the lifespan of solar panels. The combination of higher efficiency, improved reliability and greater longevity ensures that solar energy will continue to be the cornerstone of global green transition.



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