

# Shelf life of solar energy storage liquid

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## Overview

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When exposed to sunlight, the molecule changes its shape, turning into an energy-rich isomer. This isomer can be stored in liquid form for up to 20 years, says Moth-Poulsen in the Chalmers press release. Now, bottled sunshine has a shelf-life of 18 years. The team has solved problems other researchers have previously encountered. Even though lithium batteries are great, they can still be costly and, depending on the chemistry, there can be safety concerns. “It's like a rechargeable battery, but. Researchers at Sweden's Chalmers University of Technology have developed an advanced energy system that stores solar energy in liquid form and generates electricity. It uses specially designed. The sun gives life to plants and microorganisms, provides us with warmth and daylight, and is an endless source of renewable energy.

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### [Scientists Develop Liquid that Stores Solar Energy for 20 Years](#)

Researchers have Created a Liquid that can Store Solar Energy for Up to 20 Years. Researchers at Sweden's Chalmers University of Technology have developed an advanced energy system that stores solar energy in ...



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Scientists in Sweden have developed a specialised fluid, called a solar thermal fuel, that can store energy from the sun for well over a decade.



### Scientists can now bottle solar energy, turn it into liquid fuel

Now, bottled sunshine has a shelf-life of 18 years. Researchers have invented a liquid isomer that can store and release solar energy. The team has solved problems other researchers have

### Scientists Develop Liquid That Can Store Solar Energy for Almost Two

A team in Sweden has developed a specialized solar thermal fuel that can store energy from the sun for up to eighteen years.



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