



Water channel photovoltaic panel project name



European Warehouse

 **7-15 days**
Delivery

ONE-STOP SOLUTION

- 65kWh 30kW**
- 130kWh 30kW**
- 130kWh 60kW**





Overview

Project Nexus, the first solar panel canopies over irrigation canals in the US, is now online in California, and there are plans to expand the project to other areas. California is taking the first steps in realizing an idea to save billions of gallons of water each year and produce enough clean energy to power a city the size of Los Angeles for nine months annually. The simple but brilliant concept?

Cover as much of California's roughly 4,000 miles of. A solar-covered, 115-foot-wide canal in Hickman, Calif. Thousands. A first-in-the-nation project to determine whether covering sections of canals with solar panels can help California reach its renewable energy goals is gearing up to break ground early next year. The Turlock Irrigation District (TID) announced the commissioning of Project Nexus, a 1.6 megawatt photovoltaic installation mounted directly on irrigation canals.



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Solar Aquagrid

The \$20 million experiment, dubbed Project Nexus, is funded by the state of California and will assess whether solar panel canopies erected over exposed irrigation canal systems can significantly reduce ...

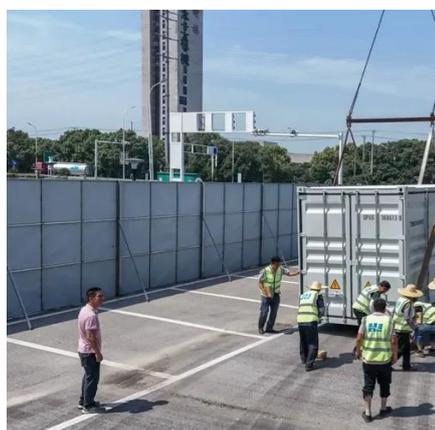
Solar-panel-covered canals have their day in the sun in California

UC Merced and Solar AquaGrid wanted to assess the feasibility of placing solar panels over the state's longstanding California Water Project, a 4,000-mile canal system providing water to ...



[California's next big energy experiment is working](#)

Solar-topped canals in the Central Valley are part of Project Nexus, a state-funded initiative that debuted in 2025 to generate electricity and save water.



Solar channels as an innovative energy approach for large water

This is the case with the São Francisco River Integration Project (PISF) in Brazil. This paper proposes using photovoltaic (PV) panels to cover the channels of the PISF to reduce ...



[The US's first solar panels over canals pilot is now ...](#)

Project Nexus, the first solar panels over irrigation canals in the US, is now online in California, and the project will now be expanded.



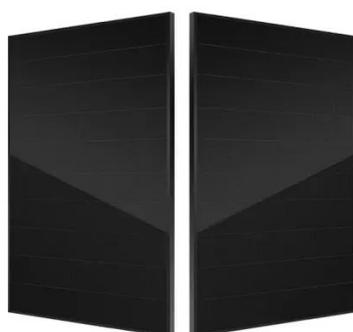
[California's first solar-covered canal is now fully online](#)

America's first solar-canal project started producing power in October 2024 for the Pima and Maricopa tribes, known together as the Gila River Indian Community, on their reservation near ...



Installing solar panels over water canals is as smart as it sounds

A novel project in California demonstrates the many overlapping benefits of solar canals when land is scarce and water is in short supply



[Solar-Paneled Canopies over Canals](#)



Catching on in Southwest

To cut their losses, a growing number of Western water managers want to install solar-paneled canopies over canals and even flotillas of solar panels on reservoirs to turn the sun's rays ...



Solar panels built over California canals generate power, save water

Dubbed Project Nexus, the canal solar arrays are intended to serve as a proof of concept "to pilot and further study solar over canal design, deployment, and co-benefits on behalf of the state ...

Solar panels on canals: TID activates Nexus Project

California's water infrastructure adds a new dimension: solar power generation. The Turlock Irrigation District (TID) announced the commissioning of Project Nexus, a 1.6 megawatt ...





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