

# **100kWh Water Treatment Plant Using Asunción Solar Folding Container**





## Overview

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Can a municipality install a solar system on a wastewater treatment facility?

So in some cases, wastewater treatment facilities are— the municipalities are installing the solar on site and directly consuming that electricity. And many other scenarios, the municipality is entering what's called a power purchase agreement with a solar developer.

Is solar a success at wastewater treatment plants?

Because solar adoption at wastewater treatment plants is still relatively new, there is little known about these facilities, including where they are, what drove them to choose solar, and if solar has been a success. A team of researchers looks to fill in those gaps with a new project. If playback doesn't begin shortly, try restarting your device.

Are solar photons a viable solution for wastewater treatment?

In addition to thermal technologies, decontamination, and disinfection processes are paramount in wastewater treatment. Developing new decontamination and disinfection systems using solar photons must gain significant attention and visibility as a promising solution for achieving effective and sustainable disinfection.

Can solar-driven water treatment be used in rural areas?

The technical and economic potential assessment for using solar-driven water treatment sets the course for further research and development projects in the most significant industrial sectors and municipal wastewater treatment, but also for use in rural areas (e.g., Africa) for applications like drinking water production.



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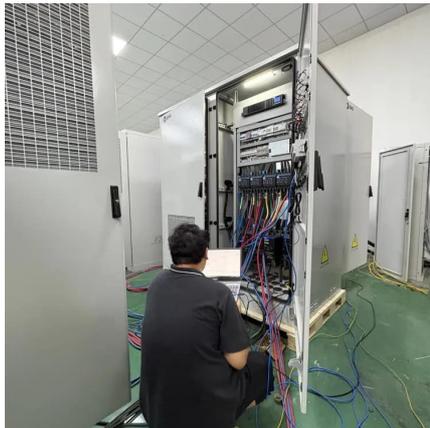
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### Application of solar energy in modular drinking water treatment

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