

Space solar thermal power generation

5 Years warranty



Overview

This technology transforms solar radiation into energy using the solar panels on a spacecraft, which then wirelessly transmit the energy to a receiving ground station.

Space solar thermal power generation



[Two astronauts stuck in space for 9 months have returned to Earth](#)

Astronauts Suni Williams and Butch Wilmore's extended stay in the International Space Station will add to what we know about how space affects health.

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These space stories made us look up in 2025
Sticking a moon landing, hearing the crackle of lightning on Mars and more



Astronomy

Astronomy A rare star in a tiny galaxy preserves a record of the early universe Found in an ultrafaint dwarf galaxy, the ancient star's unusual chemistry indicates it formed from gas enriched by

3.0 Power

Solar power generation is the predominant method of power generation on small spacecraft. As of 2021, over 90% of all nanosatellite/SmallSat form factor spacecraft were equipped



[Space missions spanned the solar system in 2024](#)

Humankind accomplished new feats in space this year, including scooping up some of the moon's farside and launching a probe to Jupiter's moon Europa.

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[What will space exploration look like under Trump?](#)

The future of U.S. space exploration and NASA-funded science is up in the air as President-elect Donald Trump prepares to return to office. "There's just so many question marks,"

[In 2023, space missions explored the moon, asteroids and more](#)

This year, spacecraft landed on the moon, dropped off asteroid samples to Earth and started a journey to Jupiter's icy moons.



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