



# What are the photovoltaic panels on the space station called

This PDF is generated from: <https://www.smartflooringsolutions.co.za/30-07-24-28739.html>

Title: What are the photovoltaic panels on the space station called

Generated on: 2026-03-31 15:54:51

Copyright (C) 2026 Smart BESS Solutions. All rights reserved.

For the latest updates and more information, visit our website: <https://www.smartflooringsolutions.co.za>

---

The space station's solar arrays contain a total of 262,400 solar cells and cover an area of about 27,000 square feet (2,500 square meters) -- more than half the area of a football field.

From 2007 the Station-to-Shuttle Power Transfer System (SSPTS; pronounced spits) allowed a docked Space Shuttle to make use of power provided by the International Space Station's solar arrays.

The solar arrays produce more power than the station needs at one time for the station systems and experiments. When the station is in sunlight, about 60 percent of the electricity that the solar arrays ...

The roll-out solar arrays augment the International Space Station's eight main solar arrays. They produce more than 20 kilowatts of electricity and enable a 30% increase in power production over the ...

Each ISS solar array wing (often abbreviated "SAW") consists of two retractable "blankets" of solar cells with a mast between them. Each wing is the largest ever deployed in space, weighing over 2,400 ...

In 1998, the Zarya Module was the first space station module and also carried the first solar panels and radiators. Then, in 2000, the Zvezda Module carried up the next set of solar panels.

Roll Out Solar Array (ROSA) is a lightweight, flexible power source to be deployed and used in space. It was designed and developed by Redwire Corporation, a U.S. aerospace manufacturer and space infrastructure ...

Station Facts The International Space Station is larger than a six-bedroom house with six sleeping quarters, two bathrooms, a gym, and a 360-degree view bay window.

Web: <https://www.smartflooringsolutions.co.za>

**What are the photovoltaic panels on the space station called**

