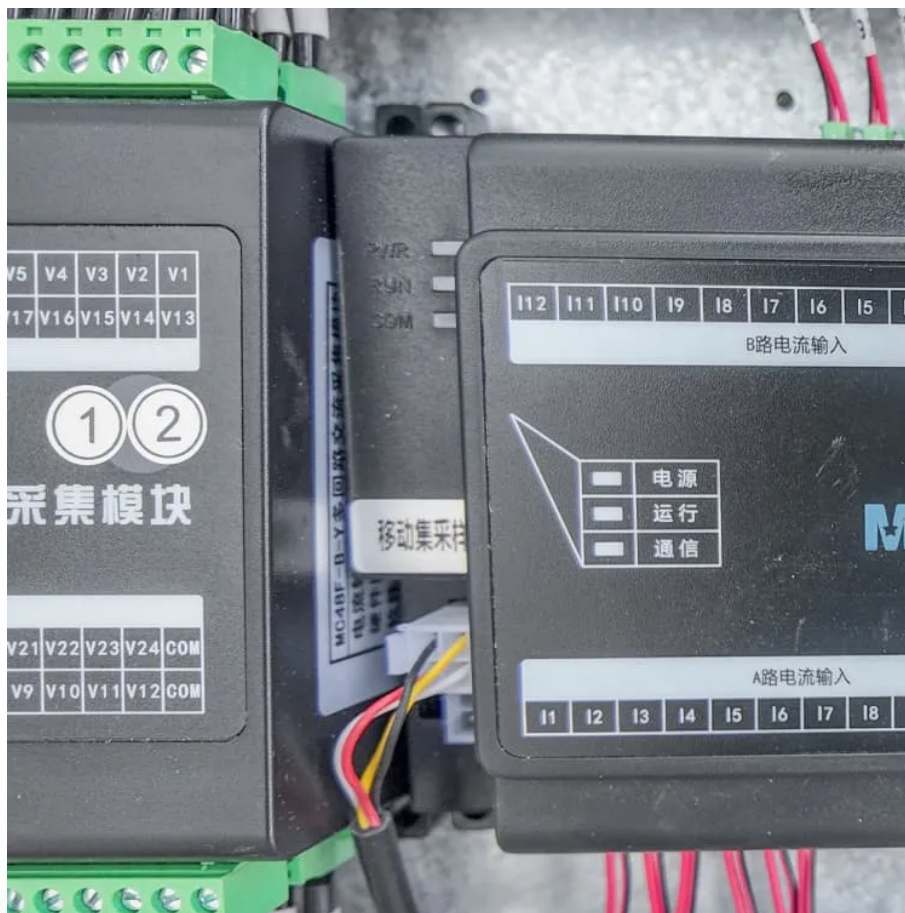


Space station solar panels double-sided





Overview

When will solar panels be installed on the International Space Station?

Launched on June 6, 2023. Installed on June 9 and 15, 2023. 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 station's current arrays.

Are the ISS US segment solar arrays double-sided?

Some answers on this site claim that the ISS US Segment solar arrays are double-sided (i.e. cells on both sides of the blanket). I tend to doubt this, but a search of my references did not turn up anything authoritative.

How much power does a solar array generate on the International Space Station?

The solar arrays of a single experimental module on the ISS unfold to cover an area of 138 m², with each unit generating 18 kW, contributing to a total station power supply exceeding 100 kW. Fig. 1. Solar arrays on the International Space Station.

When will a solar array be installed on the International Space Station?

NASA spacewalker Stephen Bowen works to release a stowed roll-out solar array before installing it on the 1A power channel of the International Space Station's starboard truss structure. Launched on Nov. 26, 2022. Installed on Dec. 3 and 22, 2022. The roll-out solar arrays augment the International Space Station's eight main solar arrays.



Space station solar panels double-sided



[International Space Station Assembly ...](#)

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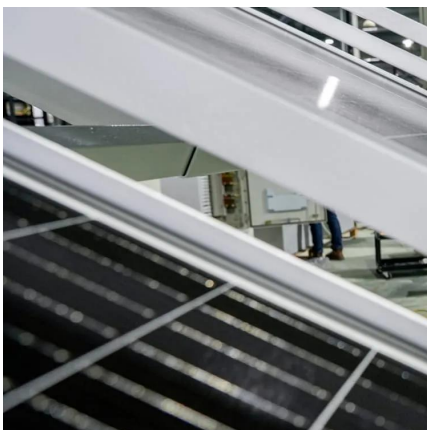


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