

# **London Space-Based Solar Base Station**





## Overview

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What is space based solar power?

Space Based Solar Power is the concept of harvesting solar energy in space, and beaming it to earth, thereby overcoming the intermittency of terrestrial renewable energy. The benefits it offers include clean, continuous base-load energy, with much lower land usage than conventional renewables.

What is a space-based solar power station?

A space-based solar power station is based on a modular design, where a large number of solar modules are assembled by robots in orbit. Transporting all these elements into space is difficult, costly, and will take a toll on the environment. The weight of solar panels was identified as an early challenge.

What is space solar?

To create an era-defining new solar energy source from space. In 12 years, Space Solar will deliver an affordable, scalable and fully renewable new baseload energy technology. Space-Based Solar Power will accelerate the transition to Net Zero and provide energy security for partner nations, as global demand grows.

Is UK's space-based solar power industry preparing for lift-off?

The UK's space-based solar power industry is preparing for lift off thanks to a multi-million government investment to develop the cutting-edge technology.



## London Space-Based Solar Base Station

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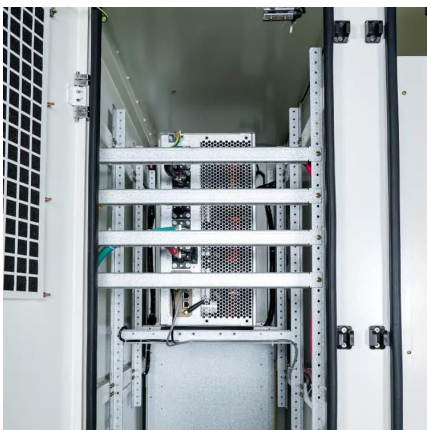


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