



# Building solar panels on the moon

Can solar panels be made on the Moon?

Manufacturing the panels requires no Earth materials ,no water,produces no carbon emissions,and holds the promise of abundant electrical power for long-term Moon operations. Jeff Bezos' space company Blue Origin has figured out how to manufacture solar panels on the Moonthat only require materials already available on the lunar surface.

Can a solar array power the Moon?

An illustration of a vertical solar array power source on the surface of the Moon. NASA is working with commercial companies to mature vertically deployable solar array systems for the lunar surface. The Artemis program will return NASA to the Moon and establish a sustainable presence at the lunar South Pole.

Why did scientists build solar panels on the Moon?

In 1969,scientists proposed building solar panels on the moon to convert the sun's energy into electricity that can be used on Earth.

Can a solar array power a lunar surface?

NASA is working with commercial companies to mature vertically deployable solar array systems for the lunar surface. An illustration of a vertical solar array power source on the surface of the Moon. NASA is working with commercial companies to mature vertically deployable solar array systems for the lunar surface.

Can solar power be produced on the Moon?

Solar power from moon to Earth -- An almost unlimited supply of electricity could be generatedon the moon's surface by huge arrays of solar cells and beamed to Earth by laser. Sunlight falling on a crater ...could produce from 10,000 to 100,000 megawatts of power. By comparison,a large hydroelectric dam on Earth produces about 100 megawatts.

Could solar cells power lunar habitats?

But scientists at NASA's Glenn Research Center in Cleveland are developing new technology to make it possible,beginning with the solar cells that could power lunar habitats.

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