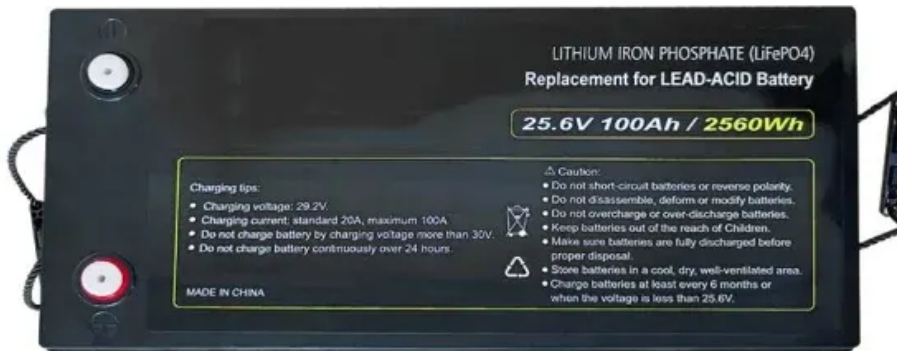


What is the solar launch system



Overview

The SLS rocket boasts unique capabilities as a super heavy-lift vehicle, enabling it to send NASA's Orion spacecraft, astronauts, and substantial cargo directly to the moon in a single launch. The Space Launch System (SLS) is an American super heavy-lift expendable launch vehicle used by NASA. SLS first launched on 16 November 2022 for the. Combining power and capability, NASA's Space Launch System rocket is part of NASA's backbone for deep space exploration and Artemis. NASA Releases Hooray for SLS! Children's Book Hooray for. The SLS builds upon the Saturn V legacy, paving the way for exciting lunar and deep space missions.

What is the solar launch system



Space Launch System

The Space Launch System (SLS) is an American super heavy-lift expendable launch vehicle used by NASA. As the primary launch vehicle of the Artemis Moon landing program, SLS is designed to ...

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A Space Launch System guide to the galaxy

NASA's Space Launch System, or SLS, was designed and built by American industry to be a super-heavy-lift, deep space rocket, able to open the solar system and interstellar space to ...

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Space Launch System (SLS)

Combining power and capability, NASA's Space Launch System rocket is part of NASA's backbone for deep space exploration and Artemis. SLS is the only rocket that can send Orion, ...

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How the Space Launch System Will Work

Targeted for an unmanned test flight in 2017 around the moon, the first Space Launch System (SLS) will stand 320 feet (97.5 meters) and weigh in at 5.5 million pounds (2.5 million kilograms).

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SLS: Pioneering the Future of Space Exploration & Scientific Discovery

Building on the foundation of Saturn V and the Apollo missions, the Block 1B SLS aims to provide a reliable and powerful launch vehicle that can meet the demands of modern space exploration.

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NASA's Space Launch System

It is designed for space missions beyond Low Earth Orbit, and when complete, SLS will be the most powerful rocket system ever built. Its Orion Multi-Purpose Crew Vehicle is designed to carry crewed ...

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How the Space Launch System Will Work

Targeted for an unmanned test flight in 2017 around the moon, the ...

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Artemis program

The in-development Space Launch System is expected to serve as the primary launch vehicle for Orion, while commercial launch vehicles will launch various other elements of the program.

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Space Launch System: NASA's Next Generation Rocket

Unlike previous human launch systems, SLS is designed to grow and evolve over time. The vehicle includes multiple launch configurations that will carry cargo and crew into the darkness of

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SLS August 2018 Fact Sheet

SLS is designed for deep space missions and will send Orion or other cargo to the Moon, which is nearly 1,000 times farther than where the space station resides in low-Earth orbit. The rocket will

provide ...

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SLS Overview Fact Sheet

America's Rocket for Deep Space Exploration NASA's SLS (Space Launch System) is a super heavy-lift rocket that provides the foundation for human exploration beyond Earth orbit. With its

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