

# The meaning of solar system





## Overview

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When not used as a proper noun and written without capitalization, "solar system" may refer to either the Solar System itself or any system reminiscent of the Solar System.

The Solar System consists of the Sun and the objects that orbit it. The name comes from Sōl, the Latin name for the Sun. It was formed when a dense region of a molecular cloud collapsed, creating the Sun.

The Solar System formed at least 4.568 billion years ago from the gravitational collapse of a region within a large molecular cloud. This initial cloud was likely several light-years across and probably birthed several stars.

The Sun is the Solar System's star and by far its most massive component. Its large mass (332,900 Earth masses), which comprises 99.86% of all the mass in the Solar System.

The outer region of the Solar System is home to the gas giants and their large moons. The Kuiper Belt and many other objects orbit in this region.

The Solar System includes the Sun and all objects that are bound to it by gravity and orbit it. The heliocentric model describes the Solar System.

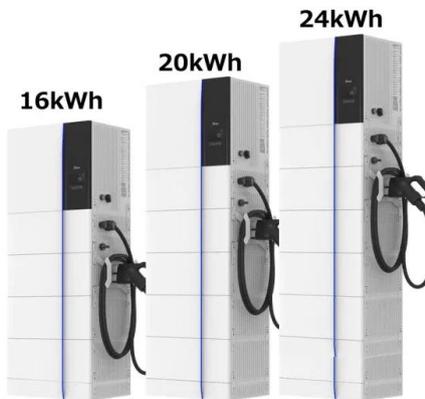
Astronomers sometimes divide the Solar System structure into separate regions. The inner Solar System includes Mercury, Venus, Earth, Mars, and the bodies in the Asteroid Belt. The outer Solar System includes Jupiter, Saturn, Uranus, Neptune, and the bodies in the Kuiper Belt.

The inner Solar System is the region comprising the terrestrial planets and the Asteroid Belt. Composed mainly of silicates and metals, the objects of the inner Solar System are rocky.



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### [What is The Solar System , Definition of Solar System](#)

The Solar System is a collection of planets, moons, asteroids, comets, moons, dust and gas that orbit the Sun. The Sun is the center of our Solar System, and its gravity holds the Solar System together.

### [Solar System Planets, Definition, Diagram, Names, Facts](#)

Solar System Planets, Definition, Diagram, Names, Facts The solar system is made up of the Sun and other heavenly bodies. All the planets orbit the sun, which is situated in the centre. Read about Our Solar System ...



### **In Depth , Our Solar System - NASA Solar System Exploration**

The planetary system we call home is located in an outer spiral arm of the Milky Way galaxy. Our solar system consists of our star, the Sun, and everything bound to it by gravity - the planets ...



### [Solar System , Definition, Formation & Composition](#)

A solar system is a system of stars, planets, moons, and other objects, bound together by gravitational orbit. Let us first explain that our solar system includes one sun, eight planets, more than



### [Solar energy , Definition, Uses, Advantages, & Facts](#)

Solar energy is radiation from the Sun that is capable of producing heat, causing chemical reactions, or generating electricity. The total amount of solar energy incident on Earth is vastly in excess of the world's ...

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