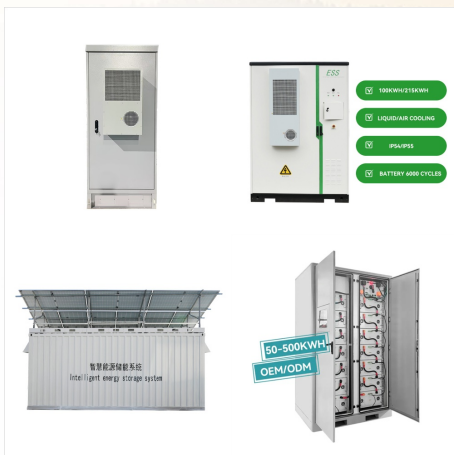




Our solar system is made up of a star???the Sun???eight planets, 146 moons, a bunch of comets, asteroids and space rocks, ice, and several dwarf planets, such as Pluto. Our solar system is made up of a star???the Sun???eight planets, 146 moons, a bunch of comets, asteroids and space rocks, ice, and several dwarf planets, such as Pluto. Skip to



Transcript (English) - [Narrator] Our solar system is one of over 500 known solar systems in the entire Milky Way galaxy. The solar system came into being about 4.5 billion years ago when a cloud of interstellar gas and dust collapsed, resulting in a solar nebula, a swirling disc of material that collided to form the solar system.



Our solar system is a sprawling cosmic neighborhood, with eight planets, each unique in its own way. Imagine a giant dinner table, where each planet is a distinct dish, carefully arranged in a specific order. Just as you wouldn't serve dessert before the main course, the planets follow a specific sequence, determined by their distance from the sun.

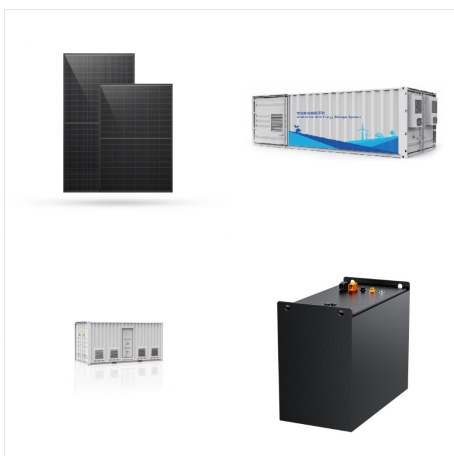
WHAT ORDER IS THE PLANETS IN THE SOLAR SYSTEM



The most common way to order the planets is by their distance from the sun. Using this method, the planets are listed in the following order: Contents. Planets in Order From the Sun. How to Remember the Order of the ???



Solar System Formation. The solar system is located in one of the spiral arms of the Milky Way galaxy. It was born about 4.5 billion years ago when a cloud of interstellar gas and dust collapsed. Most of the material was pulled toward a central point: nearly all of the solar system's mass???99.8%???is in the Sun.



Our solar system is located in the Orion spiral arm of the Milky Way Galaxy and contains eight official planets that orbit counterclockwise around the Sun. The order of the eight official solar ???

WHAT ORDER IS THE PLANETS IN THE SOLAR SYSTEM

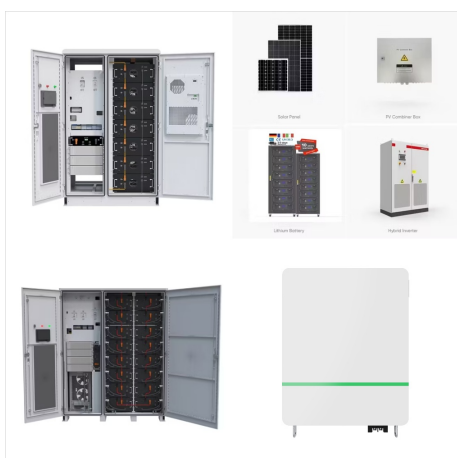


What is the solar system planet sequence wise?

The sequence of planets in the solar system, from closest to the Sun to farthest, is as follows: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune. This order is based on their distances from the Sun and is often remembered using mnemonic devices.



? Solar system - Planets, Moons, Orbits: The eight planets can be divided into two distinct categories on the basis of their densities (mass per unit volume). The four inner, or terrestrial, planets???Mercury, Venus, Earth, and Mars???have rocky compositions and densities greater than 3 grams per cubic cm. (Water has a density of 1 gram per cubic cm.) In contrast, ???

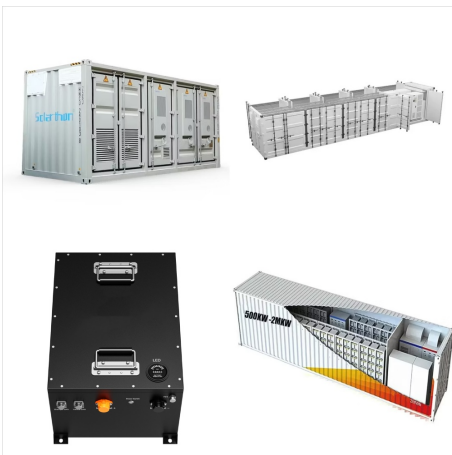


The order of the planets from closest to the Sun outwards is; Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and finally Neptune.. The largest planet in the solar system is Jupiter, followed by Saturn, Uranus, Neptune, Earth, Venus, Mars with the smallest being Mercury.

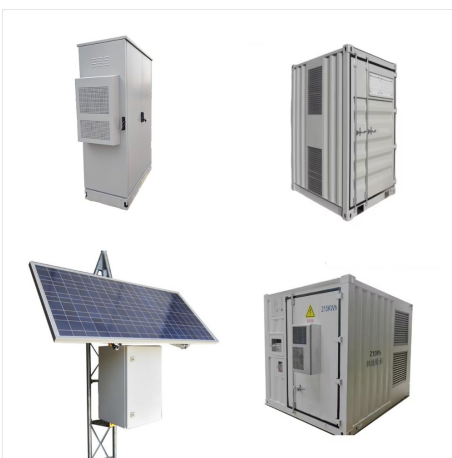
WHAT ORDER IS THE PLANETS IN THE SOLAR SYSTEM



Solar system, assemblage consisting of the Sun and those bodies orbiting it: 8 planets with about 210 known planetary satellites; many asteroids, some with their own satellites; comets and other icy bodies; and vast reaches ???

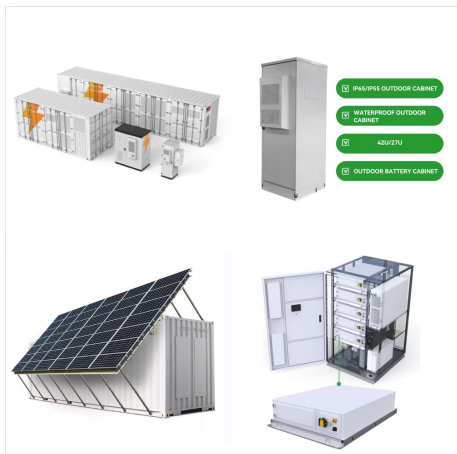


The night sky over New Zealand's Southern Alps gives a spectacular view of the Milky Way, the galaxy in which our own solar system resides. Mike Mackinven / Getty Images. Our planet Earth is part of a solar system that consists of eight planets orbiting a giant, fiery star we call the sun. For thousands of years, astronomers studying the solar system have noticed ???

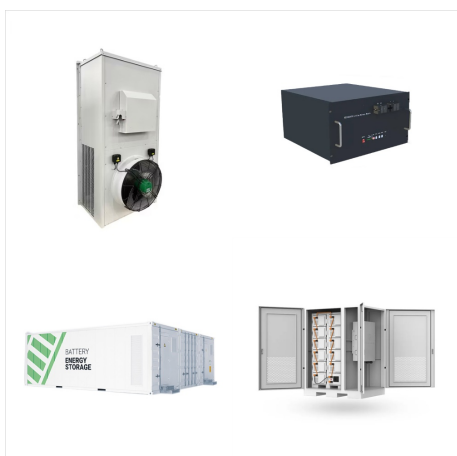


The Planets Of The Solar System (In Order)
Mercury. Mercury is the first planet in the solar system and the closest to the Sun. Mercury orbits its parent star once every 89 days, giving Mercury the shortest solar year of all the planets. It takes Mercury 58 earth days to rotate once on its axis, but the combined side-reel effect due to

WHAT ORDER IS THE PLANETS IN THE SOLAR SYSTEM



The order and arrangement of the planets and other bodies in our solar system is due to the way the solar system formed. Nearest to the Sun, only rocky material could withstand the heat when the solar system was young. For this reason, the first four planets ??? Mercury, Venus, Earth, and Mars ??? are terrestrial planets.



The planets and the solar system were formed from a huge cloud of gases and dust particles left over when a massive star exploded as a supernova. Planets and Dwarf Planets in Order from the Sun. The planets and dwarf planets are listed here in the order they are from the Sun. Click for more information on each.



The solar system has one star, eight planets, five dwarf planets, at least 290 moons, more than 1.3 million asteroids, and about 3,900 comets. What is the order of the planets as we move out from the Sun? This is a simple guide to the sizes of planets based on the equatorial diameter ??? or width ??? at the equator of each planet.

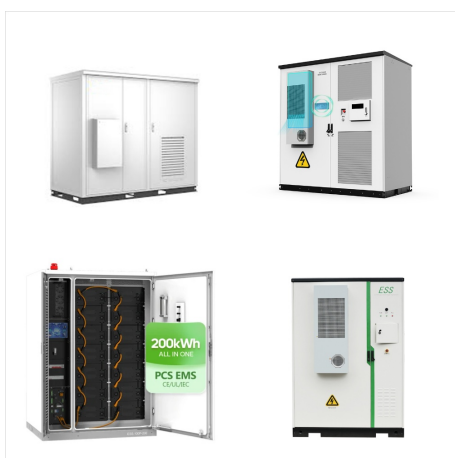
WHAT ORDER IS THE PLANETS IN THE SOLAR SYSTEM



In discussing the order of planets and their orbits, it's essential to start with their relative positions from the Sun, which serve as the gravitational center of our solar system. Each planet orbits the Sun in a path described as an ellipse, a shape that can be thought of as a stretched circle.

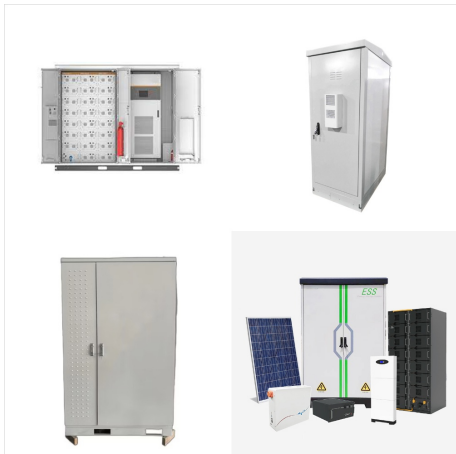


Our solar system consists of our star, the Sun, and everything bound to it by gravity ??? the planets Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune; dwarf planets such as ???



In our Solar System, there are 8 lovely planets. The planets in order from the Sun are based on their distance: Mercury, Venus, Earth (aka mother earth), Mars, Jupiter (father sky), Saturn, and Uranus with Neptune to round out at number 8! The solar system is an amazing place and there are plenty of planets to explore.

WHAT ORDER IS THE PLANETS IN THE SOLAR SYSTEM



Order Of The Planets In The Solar System: By the Numbers Distance Of The Planets From The Sun: Planet Distance from the Sun Diameter Mass Important Notes; Mercury: 57,910,000 km (0.387 AU) 4,879 km: 3.3022 x 10²³ kg: The closest planet to the Sun The smallest The fastest-spinning: Venus: 108,200,000 km (0.723 AU)



The order of the planets in our Solar System from lightest to heaviest, based on mass is: Mercury: 3.30x10²³ kilograms (7.27x10²³ pounds) Mars: 6.41x10²³ kilograms (1.41x10²⁴ pounds)



The planets in order from the sun are Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune and finally the dwarf planet Pluto.. Most people have at least heard about our solar system and the planets in it. Our solar system is usually gone over in elementary school, so you might just need a refresher course about the planets in order in our solar system.

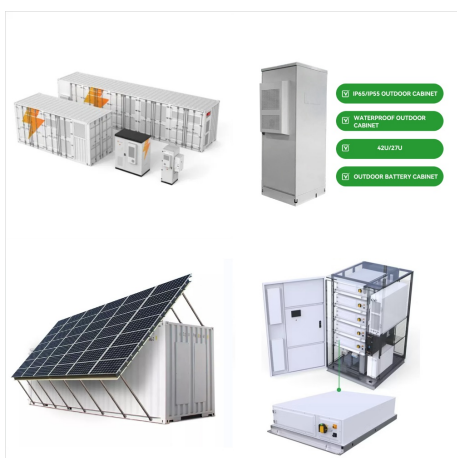
WHAT ORDER IS THE PLANETS IN THE SOLAR SYSTEM



The Inner Planets. In order from the Sun, the inner planets are Mercury, Venus, Earth, and Mars: Mercury ??? The smallest planet in our solar system, Mercury's radius is about 2,440 km (1,516 mi), making its diameter roughly 4,880 km (3,032 mi). It ???



The planets in order from the sun are Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune and finally the dwarf planet Pluto.. Most people have at least heard about our solar system and the planets in it. Our solar system is ???



? Located at the centre of the solar system and influencing the motion of all the other bodies through its gravitational force is the Sun, which in itself contains more than 99 percent of the mass of the system. The planets, in order ???

WHAT ORDER IS THE PLANETS IN THE SOLAR SYSTEM



A star that hosts planets orbiting around it is called a planetary system, or a stellar system, if more than two stars are present. Our planetary system is called the Solar System, referencing the name of our Sun, and it hosts eight planets.. The eight planets in our Solar System, in order from the Sun, are the four terrestrial planets Mercury, Venus, Earth, and Mars, followed by the two gas