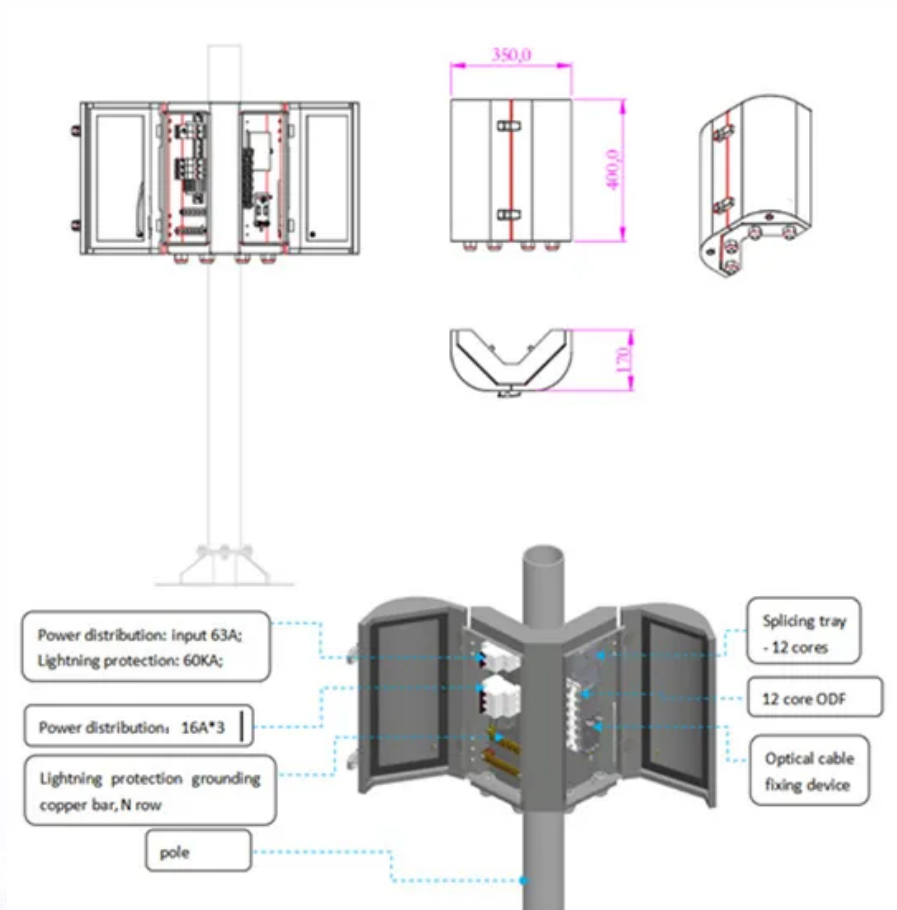


The solar system and its components





Overview

The remaining objects of the Solar System (including the four terrestrial planets, the dwarf planets, moons, asteroids, and comets) together comprise less than 0.002% of the Solar System's total mass.

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 when a dense region of a collapsed molecular cloud, 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 outer region of the Solar System is home to the gas giants and their large moons. The Kuiper Belt and many other objects orbit.

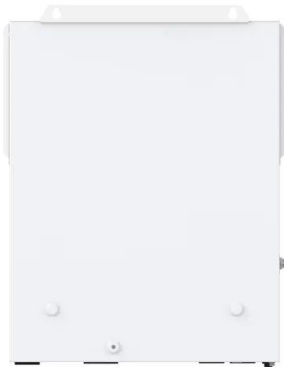
The Solar System includes the Sun and all objects that are bound to it by gravity and orbit it. The heliocentric model describes the Solar System.

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 rock and metals, the objects of the inner Solar System.



The solar system and its components



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Solar system , Definition, Planets, Diagram, Videos, & Facts

4 ???· Solar system, assemblage consisting of the Sun and those bodies orbiting it: 8 planets with more than 400 known planetary satellites; many asteroids, some with their own satellites; ...



[The Solar System: The Sun, Planets, Dwarf Planets, ...](#)

The solar system is filled with a wide assortment of celestial bodies - the Sun itself, our eight planets, dwarf planets, moons, asteroids and comets. The Earth is the only body in the solar system known to have life.

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