

SolarTech Power Solutions

Field Solar System



Overview

How does a magnetic field form in the Solar System?

The dynamic pressure of the wind dominates over the magnetic pressure through most of the Solar System (or heliosphere), so that the magnetic field is pulled into an Archimedean spiral pattern (the Parker spiral) by the combination of the outward motion and the Sun's rotation.

What type of magnetic field does the Sun have?

In addition to a powerful gravitational field, the Sun possesses a very strong magnetic field, which carves out a volume of space called the heliosphere, within which lie all the planets and the extended atmosphere of the Sun, called the solar wind. The solar wind is a continuous supersonic outflow of plasma from the Sun into interplanetary space.

Is the Solar System a planetary system?

The International Astronomical Union describes the Solar System as all objects that are bound by the gravity of the Sun, the Sun itself, its eight planets, and the other celestial bodies which orbit it. NASA describes the Solar System as a planetary system, including the Sun and all objects that orbit it.

How do I teach the true size of the Solar System?

[Click here to see the difference!](#) To teach the true size of the solar system you need two things: an accurate model and some space outside. This solar system representation from the Mighty Wonderer is a true-to-scale, outdoor educational activity that teaches the true sizes and distances of the solar system.

What is the heart of the Solar System?

The heart of the Solar System is the Sun, a yellow star of moderate mass somewhere in the middle of its life cycle. That star is what drives most of the physical processes in the system, from heating Earth's atmosphere to allow

life, to gently pushing asteroids around and giving comets their tails.

What is the inner Solar System?

The inner Solar System is the region comprising the terrestrial planets and the asteroids. Composed mainly of silicates and metals, the objects of the inner Solar System are relatively close to the Sun; the radius of this entire region is less than the distance between the orbits of Jupiter and Saturn.

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