ContainerPower Energy Solutions

What is the Solar Cycle System

Overview

eventually decay, releasing magnetic flux in the photosphere. This flux is dispersed and churned by turbulent convection and solar large-scale flows. These transport mechanisms lead to the accumulation of magnetized decay products at high solar latitudes, eventually reversing the polarity of the polar fields (notice how the blue and yellow fields reverse in the Hathaway/NASA/M.

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The Sun's magnetic field goes through a cycle, called the solar cycle. Every 11 years or so, the Sun's magnetic field completely flips. This means that the Sun's north and south poles switch places. Then it takes about another 11 years for the Sun’s north and south poles to flip back again.

The Solar cycle, also known as the solar magnetic activity cycle, sunspot cycle, or Schwabe cycle, is a periodic 11-year change in the Sun 's activity measured in terms of variations in the number of observed sunspots on the Sun's surface.

The solar cycle describes an 11-year period of solar activity driven by the sun's magnetic field and indicated by the number of sunspots visible on the surface.

What is the Solar Cycle?

The solar cycle is an approximately 11-year cycle experienced by the Sun. During the solar cycle, the Sun's stormy behavior builds to a maximum, and its magnetic field reverses. Then, the Sun settles back down to a minimum before another cycle begins.

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