

What is a solar constant?

<div class="df\_qntext">How does the magnetic field affect solar activity?

The Sun's magnetic field leads to many effects that are collectively called solar activity. Solar flares and coronal mass ejections tend to occur at sunspot groups. Slowly changing high-speed streams of solar wind are emitted from coronal holes at the photospheric surface.

<div class="df\_qntext">Does NASA's SOHO reveal a rapidly rotating solar core?

&quot;ESA, NASA's SOHO Reveals Rapidly Rotating Solar Core&quot;. NASA. Archived from the original on 1 June 2024. Retrieved 31 May 2024. ^a b Lodders, Katharina (10 July 2003).

<div class="df\_qntext">What is a solar constant?

The solar constant is the amount of power that the Sun deposits per unit area that is directly exposed to sunlight. The solar constant is equal to approximately 1,368 W/m<sup>2</sup> (watts per square metre) at a distance of one astronomical unit (AU) from the Sun (that is, at or near Earth's orbit).

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