

# Is sun the biggest star in the solar system

Tim Brown/ The Image Bank/ Getty Images. This red hypergiant is among the largest known stars in our galaxy. It has an estimated radius between 1,800 and 2,100 times that of the Sun. At this size, if placed in our solar system, it would reach nearly to the orbit of Saturn. VY Canis Majoris is located roughly 3,900 light-years from Earth in the direction of the ...

If you don't know much about space, your first guess might be that the sun is the biggest star in the universe. Despite its central role in our solar system and its undeniable brightness that bathes the Earth in light, the sun, ...

Sun is the biggest entity of our solar system. (Photo Credit : Naeblys/Shutterstock) ... Our star may seem impressive as the life-giving star of our solar system, but on the cosmic scale, our sun is an average-sized star on ...

The largest star ever found is a hypergiant called UY Scuti. Located 5,219 light years away, it is 1,700 times larger than the sun. ... UY Scuti is so large that if it were placed where the sun is in our solar system, it would stretch so far that it ...

Our Sun is a bright, hot ball of hydrogen and helium at the center of our solar system. It is 864,000 miles (1,392,000 km) in diameter, which makes it 109 times wider than Earth. It's 10,000 degrees Fahrenheit (5,500 degrees Celsius) at the surface, and 27 million degrees Fahrenheit (15,000,000 degrees Celsius) in the core.

2MASS J2126 is around 7000 Earth-sun distances or 1 trillion kilometers away from its parent star, giving it the widest orbit of any planet found around another star. At such an enormous distance it takes roughly 900,000 years to complete one orbit, meaning it has completed less than 50 orbits over its lifetime.

The primary of this system is estimated to be 250 times the size of our Sun, a minimum of 120 solar masses, and a million times as bright - making it one of the biggest and brightest stars ever ...

Regardless, UY Scuti is still one of the biggest known stars and if UY Scuti were placed in the Solar System, replacing our sun, its photosphere would reach the orbit of Saturn. To get a better sense of the scale of UY Scuti, more than 4 quadrillion Earth's could fit into it.

It is 38,000 times brighter than the Sun. This star is 1,650 times larger than our Sun, and If it were placed at the center of our Solar System, it would fill the Solar system beyond the orbit of Jupiter. 9. VY Canis Majoris. Finally, the last star in the list is VY Canis Majoris. It is the largest of the known stars discovered so far.

Parts-per-million chart of the relative mass distribution of the Solar System, each cubelet denoting 2 &#215; 10<sup>24</sup> kg. This article includes a list of the most massive known objects of the Solar System and partial lists of



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smaller objects by observed mean radius. These lists can be sorted according to an object's radius and mass and, for the most massive objects, volume, density, and surface ...

The Sun is by far the largest object in the solar system. It contains more than 99.8% of the total mass of the Solar System (Jupiter contains most of the rest). It is often said that the Sun is an "ordinary" star.

The sun is by far the largest object in our solar system, containing 99.8% of the solar system's mass. It sheds most of the heat and light that makes life possible on Earth and possibly elsewhere.

VY CMa is possibly the largest star in the Milky Way although galactic red supergiants above are possibly larger but they have less accurate radius estimates. [7] ... Sun: 1: The largest object in the Solar System. Reported for reference: Magellanic Clouds. Star name Solar radii (Sun = 1) Method Notes WOH G64: 1,540 [80] L/T eff ...

Despite its central role in our solar system and its undeniable brightness that bathes the Earth in light, the sun, when compared to the vast tapestry of stars in space, is far from holding the title of the largest star.

The Sun is a star in the centre of our Solar System. It is the largest object and the only star in our Solar System. It is one of billions of stars in our galaxy, the Milky Way. It looks bigger than the ...

The sun is a yellow dwarf star in the center of the solar system, and it is the largest, brightest and most massive object in the system. The sun formed around 4.5 billion ...

While the Sun is the largest object in our solar system, it's not a particularly large star. With a radius of 432,000 miles (690,000 km), and a temperature range from ~1.7 million °F (~1 million °C) to more than ~17 million °F (~10 million °C) in its outermost layer, the Sun belongs to a category of stars called the "yellow dwarfs" or "G-type main sequence stars".

VY Canis Majoris (abbreviated to VY CMa) is an extreme oxygen-rich red hypergiant or red supergiant (O-rich RHG or RSG) and pulsating variable star 1.2 kiloparsecs (3,900 light-years) from the Solar System in the slightly southern ...

Our solar system includes the Sun, eight planets, five dwarf planets, and hundreds of moons, asteroids, and comets. ... planetary system is called "the solar system" because we use the word "solar" to describe things related to our star, after the Latin word for Sun, "solis." ... The largest planet is Jupiter. If Jupiter was a hollow ...

Our Solar System has only one star, that is the Sun. If you were to include the theoretical nemesis star in the solar system, our star is still the largest star in the Solar System. The answer to the question is therefore the Sun. If you want to extend the question to what is the largest star in the Milky Way, the answer is UY Scuti.



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Its the ...

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The Sun is the largest object in our solar system. Its diameter is about 865,000 miles (1.4 million kilometers). Its gravity holds the solar system together, keeping everything from the biggest planets to the smallest bits of debris in orbit around it.

Our closest neighboring stars are all part of the same solar system: Alpha Centauri. This triple star system - consisting of Proxima Centauri, Alpha Centauri A, and Alpha Centauri B - attracts a lot of interest because it hosts planets, including one that may be similar to Earth. The planet, Proxima Centauri b, is a lot closer to its star ...

As one of the largest stars in our galaxy, it has a diameter 1,009 times larger than the sun. It is 200,000 times brighter than the sun. 7: VV Cephei A . VV Cephei A is a red supergiant star located in the constellation Cepheus some 5,000 light years. VV Cephei A is actually part of a binary star system, yet its companion star is far smaller.

The Sun is about 100 times wider than Earth and about 10 times wider than Jupiter, the biggest planet. The Sun is the only star in our solar system. It is the center of our solar system, and its gravity holds the solar system together. Everything in our solar system revolves around it - the planets, asteroids, comets, and tiny bits of space debris.

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. The eight planets are Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune. Mercury is closest to the Sun. Neptune is the farthest.

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