

Where can I find high-resolution images of the Solar System?

Explore NASA's media galleries to view and download high-resolution images of the solar system, agency missions, and more. Discover the cosmos! Each day a different image or photograph of our fascinating universe is featured, along with a brief explanation written by a professional astronomer.

What objects are in our Solar System?

Our solar system contains objects ranging in size from the sun, the largest item, to tiny grains of rock in the asteroid belt. Take a tour of our cosmic neighborhood in pictures. Come on, let's go!

How many planets are in our Solar System?

Our solar system is made up of a star--the Sun--eight planets, more than 140 moons, a bunch of comets, asteroids and space rocks, ice, and several dwarf planets, such as Pluto.

What is the hottest planet in the Solar System?

Venus is the hottest planet in the solar system. We've nearly reached our home planet, Earth. So here's a quick look at how our blue marble stacks up to its nearest neighbors. A comparison of the sizes of planets Venus (left), Earth and Mars.

Is Earth the only planet in the Solar System?

It is the only known planet in the solar system to possess an atmosphere containing free oxygen, oceans of liquid water on its surface, and life. Its radius is about 3,958.8 miles (6,371.00 km). Earth is definitely the place! Our moon is the only other place in the solar system that humans have visited.

# REAL PICTURES OF SOLAR SYSTEM



The Hubble Space Telescope turned its impressive eyes to Jupiter, the fifth planet from the sun, to take this lovely portrait in 2017. Jupiter, a gas giant, is the largest planet in our solar system.



It took amazing pictures of this dwarf planet and will continue to study other objects in the Kuiper Belt from 2018 to 2022. Find out more about Pluto. Make a comet on a stick! Answer your questions: How many moons do other planets have? The hottest planet in our solar system . explore; All About the Planets. Learn more about the planets in



NASA's real-time science encyclopedia of deep space exploration. Our scientists and far-ranging robots explore the wild frontiers of our solar system. NASA. Solar System Exploration Our Galactic Neighborhood. Skip Navigation. menu close modal RPS 3D Viewer Featured Resources

# REAL PICTURES OF SOLAR SYSTEM



Our solar system is made up of a star???the Sun???eight planets, more than 140 moons, a bunch of comets, asteroids and space rocks, ice, and several dwarf planets, such as Pluto. Check out some pictures of our solar system captured by NASA's missions! article last updated March 11, 2021 If you liked this, you may like:

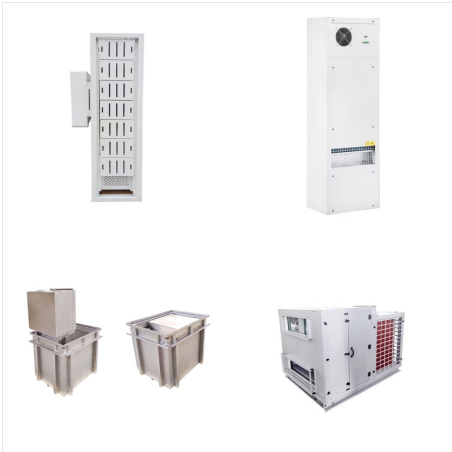


? The solar system's several billion comets are found mainly in two distinct reservoirs. The more-distant one, called the Oort cloud, is a spherical shell surrounding the solar system at a distance of approximately 50,000 astronomical units (AU)???more than 1,000 times the distance of Pluto's orbit. The other reservoir, the Kuiper belt, is a thick disk-shaped zone whose main ???

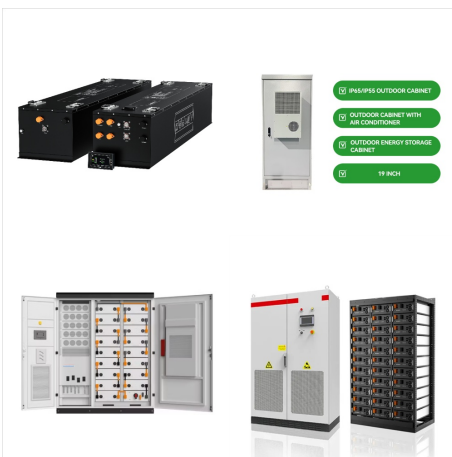


Solar System Multimedia. Filters. Perseverance Captures Transit of Phobos. Perseverance's Mid-Climb View of Jezero Crater. Perseverance Drives Backward Up Jezero Crater's Rim. Tracks Tell Tale of Perseverance's Crater Rim Climb. Perseverance Driving Path Animation ??? October 2024.

# REAL PICTURES OF SOLAR SYSTEM



Visualize orbits, relative positions and movements of the Solar System objects in an interactive 3D Solar System viewer and simulator. We use cookies to deliver essential features and to measure their performance. Learn more. Got It! menu. Major ???



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# REAL PICTURES OF SOLAR SYSTEM



Solar System Scope is a model of Solar System, Night sky and Outer Space in real time, with accurate positions of objects and lots of interesting facts. We hope you will have as much fun exploring the universe with our app as do we while making it :)



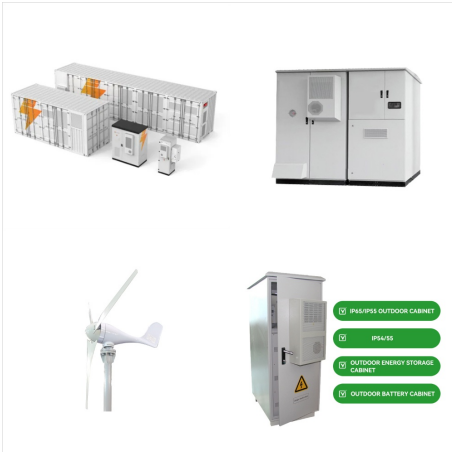
Saturn is the sixth planet from the Sun and the second largest planet in our solar system. Adorned with a dazzling system of icy rings, Saturn is unique among the planets. Saturn is a massive ball made mostly of hydrogen and helium. The farthest planet from Earth discovered by the unaided human eye, Saturn has been known since ancient times.



NASA's Jet Propulsion Laboratory, the leading center for robotic exploration of the solar system. JavaScript is required This color image of the sun, Earth and Venus was taken by the Voyager 1 spacecraft Feb. 14, 1990, when it was approximately 32 degrees above the plane of the ecliptic and at a slant-range distance of approximately 4 billion



# REAL PICTURES OF SOLAR SYSTEM



Solar Panels Gyroscopes Batteries Soft Capture Science The Hubble Deep Fields Age and size of the Universe The lives of stars The solar neighbourhood Exoplanets and proto-planetary discs Black Holes, Quasars, and Active Galaxies Formation of stars Composition of the Universe



This image captured by NASA's Solar Dynamics Observatory on June 20, 2013 shows the bright light of a solar flare on the left side of the Sun. Credit: NASA/SDO. Check out some pictures of our Sun in the NASA Solar System Exploration Sun gallery.

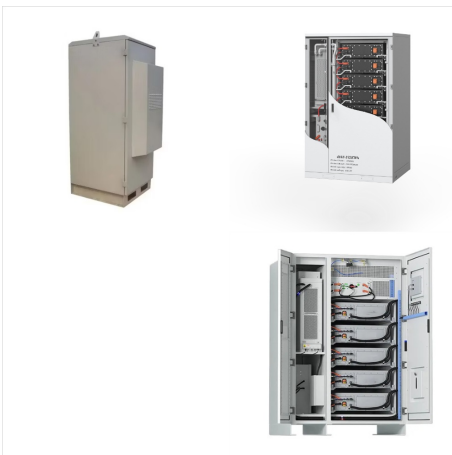


Hubble's high-resolution images of the planets and moons in our Solar System can only be surpassed by pictures taken from spacecraft that actually visit them. Hubble even has one advantage over these probes: it can look at these objects periodically and observe them over much longer periods than any passing probe could.

# REAL PICTURES OF SOLAR SYSTEM



This information has enabled countless new discoveries about the workings of our closest star and how it influences the solar system. With a triad of instruments, SDO captures an image of the Sun every 0.75 seconds. This 10-year time lapse showcases photos taken at a wavelength of 17.1 nanometers, which is an extreme ultraviolet wavelength



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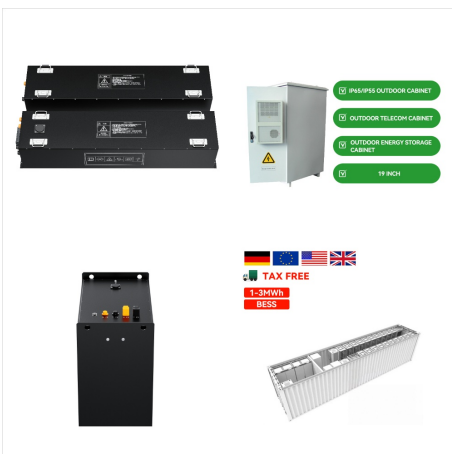


The solar system has one star, eight planets, five dwarf planets, at least 290 moons, more than 1.3 million asteroids, and about 3,900 comets. Eyes on the Solar System: A real-time visualization of our solar system using planetary science data. ???

# REAL PICTURES OF SOLAR SYSTEM



Eyes on the Solar System. This simulated live view of the solar system allows you to explore the planets, their moons, asteroids, comets and the spacecraft interacting with them in 3D. You can also fast-forward or rewind time, and explore the solar system as it looked from 1950 to 2050, complete with past and future NASA missions.



Voyager 1 was speeding out of the solar system ??? beyond Neptune and about 3.7 billion miles (6 billion kilometers) from the Sun ??? when mission managers commanded it to look back toward home for a final time. After snapping the Pale Blue Dot and other "family photos," ??? at 05:22 GMT, Feb. 14, 1990 ??? Voyager 1 powered off its