



This interactive online solar system creator allows you to dream up planets, moons, sun, and more. To create your solar system, use the "Add" button at the top to add new planets. Change the characteristics of each planet by using the buttons below the solar system model. You can select color, size, speed, orbit tilt, and whether the planet



Other aspects of the solar system (those that do not make the experience less fun) are modeled quite accurately. Key features. all major (and some minor) celestial objects of the solar system with real characteristics, real high-resolution textures, mostly from NASA or ESA, or some derivative thereof (dwarf planets past Pluto have fictitious



If you build your solar system on a roll of toilet paper, you can make the Sun about .4 inches (10 mm) across and still fit the entire solar system on the roll. A standard roll of toilet paper has about 450 sheets that are about 4.375 inches long, hence the roll is about 164 feet long. You should check your toilet paper for length. Some are longer.



? Current positions of the major bodies of the Solar System and the brightest comets. Animate view. Go to 3D Solar System Viewer for more advanced features Sun and Moon. How the Sun and the Moon look like today. Credit: NASA, SDO, and the HMI Science Team.



Explore the solar system in real-time with Solar System Scope, a 3D model that shows the accurate positions and features of planets, moons, asteroids and more. Learn interesting facts and information about each celestial body as you travel ???



Solar System Simulator. Back to search page
Audience. Educators. Grade Levels. Grades 5-8, Grades 9-12, Higher Education. Subject. Space Science, Solar System and Planets. Type. Other Multimedia, Websites. Create simulated images of any body from any point in space at any time in full-color graphics. Be sure to read the Simulator FAQ for tips



Learn more about our solar system. The amazing 3D graphics will make you feel as if you were traveling through the universe. 3D Solar System Simulator; 3D Solar System Simulator Daily Galaxy News Current Moon & Earth; Width Height (500~1500) Default Size;



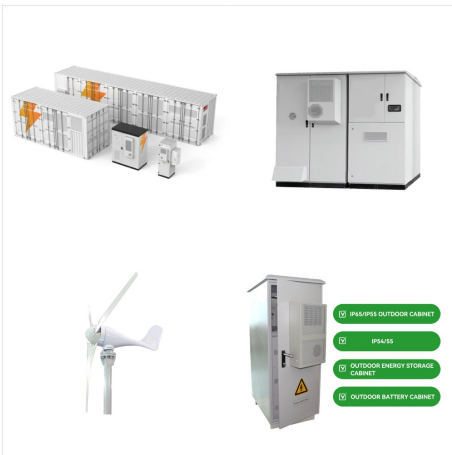
The Solar System Treks are online, browser-based portals that allow you to visualize, explore, and analyze the surfaces of other worlds using real data returned from a growing fleet of spacecraft. You can view the worlds through the eyes of many different instruments, pilot real-time 3D flyovers above mountains and into craters, and conduct



Make your own solar system by dragging bodies and the V symbol (V for velocity) or by typing into the initial settings table in the upper-left corner of the simulation. Distances, masses, and times are in arbitrary units. Invent your own! Keep masses less than a ???



ViewSpace gives you the opportunity to explore our planet, solar system, galaxy, and universe. Provided free with the support of NASA, ViewSpace is developed by a team of scientists, educators, and communication specialists who collaborate to ensure that content is accurate, up-to-date, engaging, relevant, and accessible to a wide audience.



Real celestial objects are also present if you want to visit them, including the planets and moons of our Solar system, thousands of nearby stars with newly discovered exoplanets, and thousands of galaxies that are currently known. Download SpaceEngine. News.



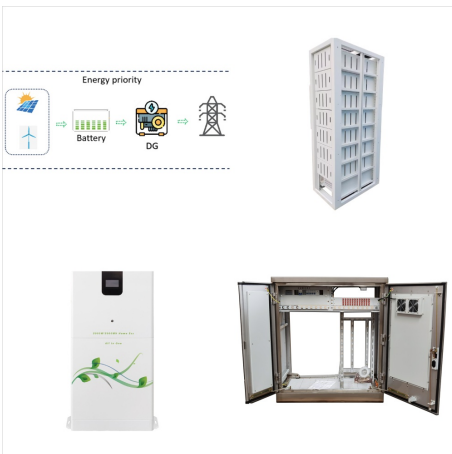
The planets and moons of our solar system come in a wondrous variety of colors and textures. Some appear white, smooth, and calm; others are splotchy with color and dotted with craters and volcanoes. If this is the variety to be found in our solar system, imagine the strange worlds that must exist around other stars!



A solar system comprises of a star and all the celestial bodies that travel around it - planets, moons, asteroids, comets. Some solar systems may even have two stars. What is a Star? A star is an immense glowing ball of extremely hot gases, mainly hydrogen and helium, where nuclear fusion releases a tremendous amount of energy. A few nearby



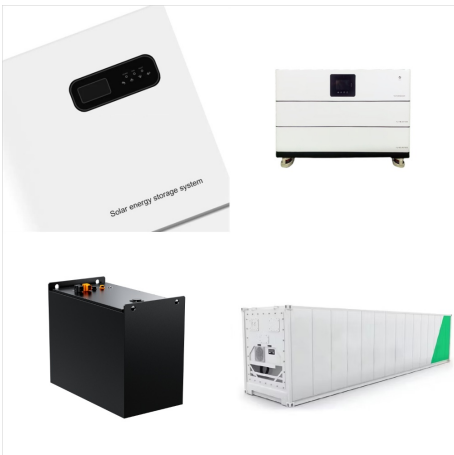
? The biggest planet in our solar system . explore; What Is the Weather Like on Other Planets? Each of the planets in our solar system experiences its own unique weather. explore; Is There Ice on Other Planets? Yes, there is ice beyond Earth! In fact, ice can be found on several planets and moons in our solar system.



The window above shows an interactive simulation of our solar system. To get started, click or tap anywhere within the BLUE title screen. This JavaScript simulation is mobile-friendly and will also work on your iPad or Android device. The simulation visualizes the current position of all eight planets orbiting the sun (Mercury, Venus, Earth



Welcome to Solar System Live, the interactive Orrery of the Web. You can view the entire Solar System, or just the inner planets (through the orbit of Mars). Controls allow you to set time and date, viewpoint, observing location, orbital elements to track an asteroid or comet, and a variety of other parameters.



Build your own system of heavenly bodies and watch the gravitational ballet. With this orbit simulator, you can set initial positions, velocities, and masses of 2, 3, or 4 bodies, and then see them orbit each other. Explain how gravity controls the motion of our solar system; Identify the variables that affect the strength of gravity