

# Nasa jpl solar system





## Overview

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What does NASA/JPL do?

NASA/JPL explores the 3D world of the Solar System and learns about past and future missions. Loading.

Is JPL funded by NASA?

JPL is federally funded by NASA and managed by Caltech. Spacecraft developed at JPL have flown to every planet in the solar system and the Sun, and beyond. Meet Clyde, an ape-like robot that traverses complicated terrain and performs dexterous tasks.

What's new in NASA's 'eyes on the Solar System' 3D visualization tool?

NASA has revamped its “ Eyes on the Solar System ” 3D visualization tool, making interplanetary travel easier and more interactive than ever. More than two years in the making, the update delivers better controls, improved navigation, and a host of new opportunities to learn about our incredible corner of the cosmos - no spacesuit required.

What can you do at JPL?

Explore the JPL campus virtually with interactive 360 panoramas of Mission Control, the Spacecraft Assembly Facility, the visitor museum, and more. JPL is federally funded by NASA and managed by Caltech. Spacecraft developed at JPL have flown to every planet in the solar system and the Sun, and beyond.

What is NASA's eyes?

Start exploring your solar system now! NASA's Eyes is a suite of 3D visualization applications that allows everyone to explore and understand real NASA data and imagery in a fun and interactive way. The apps are all run inside a regular web browser, so any device with an internet connection and a browser can run them.



What is a simulated live view of 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.



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### **Our Solar System Features Eight Planets , NASA Jet Propulsion**

Our solar system features eight planets, seen in this artist's diagram. This representation is intentionally fanciful, as the planets are depicted far closer together than they really are. Similarly, the bodies' relative sizes are inaccurate. This is done for the purpose of

### **Solar System Ambassadors**

For more than 25 years, the NASA Solar System Ambassadors program has been a public engagement effort that works with motivated volunteers across the nation to communicate the science and excitement of NASA's space ...



### **Media Get Close-Up of NASA's Jupiter- Bound Europa Clipper**

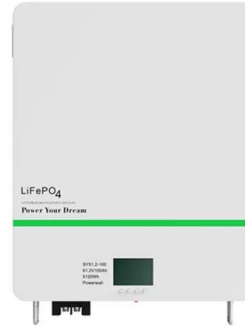
Members of the media visited a clean room at JPL April 11 to get a close-up look at NASA's Europa Clipper spacecraft and interview members of the mission team. The spacecraft is expected to launch in October 2024 on a six-year journey to the Jupiter system, where it will study the ice-encased moon Europa.

### **NASA**

The Solar System Simulator is a graphical engine which will produce simulated views of any body in the solar system from any point in space. Simulator , Artwork , Texture Maps , FAQ Author and Site Manager: David Seal - seal (at)



jpl.nasa.gov CL#: 22-6756 David Seal - se



### Apply , Solar System Ambassadors - NASA Solar System Exploration

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 Solar System

### Explore the Solar System With NASA's New-and-Improved

The agency's newly upgraded "Eyes on the Solar System" visualization tool includes Artemis I's trajectory along with a host of other new features. NASA has revamped its "Eyes on the Solar System" 3D visualization tool, making interplanetary travel easier and more interactive than ever.



### [NASA Jet Propulsion Laboratory \(JPL\)](#)

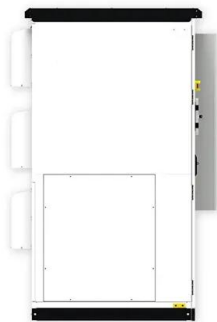
1 ??· NASA's Jet Propulsion Laboratory, the leading center for robotic exploration of the solar system. Have you been awed by views of desolate Martian Valleys, swirling storms above Jupiter, and the icy blades ringing Saturn? Then you have journeyed with NASA JPL





### Explore the Solar System With NASA's New-and-Improved

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### Solar System Facts

For the latest tally of moons, or planetary satellites, in our solar system, visit NASA/JPL's Solar System Dynamics website. Formation Our solar system formed about 4.6 billion years ago from a dense cloud of interstellar gas and dust.

### Ride With Juno As It Flies Past the Solar System's Biggest Moon ...

Credits: NASA/JPL-Caltech/SwRI/MSSS The probe flew closer to Jupiter's largest moon, Ganymede, "The animation is a way for people to imagine exploring our solar system firsthand by seeing what it would be like to be orbiting Jupiter and flying past one of



### Educator Guide: Solar System Scroll , NASA/JPL Edu

Our solar system is often depicted as a bunch of planets equidistant from one another, always in a straight line. However, as seen in this activity, the relative distance between planets doesn't fit very well on a single page.



## NASA's Europa Clipper Gets Set of Super-Size Solar Arrays

NASA's Jet Propulsion Laboratory, the leading center for robotic exploration of the solar system. The arrays have been folded up and secured against the spacecraft's main body for launch, but when they're deployed in space, Europa Clipper will span more than 100 feet (30.5 meters) -- a few feet longer than a professional basketball court.



## Directory

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 Solar System

## [Kinesthetic Radial Model of the Solar System](#)

Create a Solar System Scale Model With Spreadsheets In this activity, students use spreadsheet software and their knowledge of scale, proportion and ratios to develop a solar system model that fits on a playground. Grades 5-12 Time 30 mins - 1 hr



## GRADE A BATTERY

LiFePO4 battery will not burn when overcharged, over discharged, overcurrent or short circuited and can withstand high temperatures without decomposition.



## Fixing Voyager: How NASA Restored Communications with ...

After more than four and a half decades exploring our solar system and beyond, Voyager 1 has had a challenging year. In November 2023, the spacecraft suddenly and unexpectedly stopped sending scientific and engineering data back to Earth, beginning a months-long process to diagnose and problem-solve with a spacecraft billions of miles away and built on systems ...



## Solar Electric Propulsion Makes NASA's Psyche Spacecraft Go

NASA's Jet Propulsion Laboratory, the leading center for robotic exploration of the solar system. Editor's Note: Psyche's launch date has been moved to October 2023 and its flight plan updated since this story was published. For more information, visit the Psyche press kit..





**TAX FREE**

### ENERGY STORAGE SYSTEM

**Product Model**  
HJ-ESS-215A(100KW/215KWh)  
HJ-ESS-115A(50KW 115KWh)

**Dimensions**  
1600\*1280\*2200mm  
1600\*1200\*2000mm

**Rated Battery Capacity**  
215KWH/115KWH

**Battery Cooling Method**  
Air Cooled/Liquid Cooled

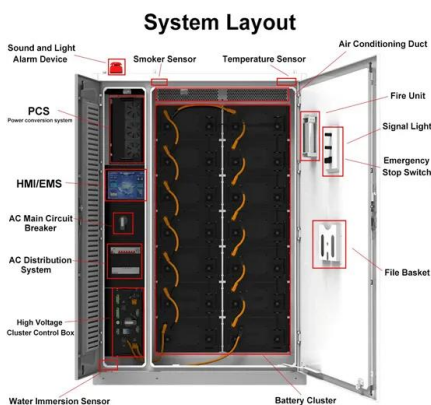
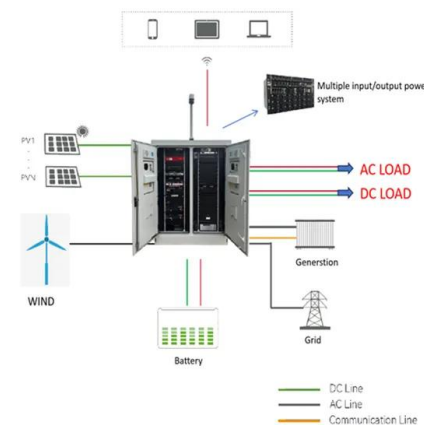


## Scale Model Solar System Resources for Informal Educators from

oTo Scale: The Solar System by Wylie Overstreet and Alex Gorosh, is a 7 minute artistic video about creating a truly scale model Solar System. It's also downloadable for offline viewing. Also consider their video about the 2017 Eclipse scale model. o Drone Solar System Model is a 9 minute video about an approximate scale model Solar

## Jet Propulsion Laboratory

JPL holds a unique place in the universe. We are a leader in robotic space exploration, sending rovers to Mars, probes into the farthest reaches of the solar system, and satellites to advance understanding of our home planet. Visit ...



## Horizons System

Horizons is provided by the Solar System Dynamics Group of the Jet Propulsion Laboratory. If after connecting to "horizons.jpl.nasa.gov" you are prompted for a login name (not necessary for Horizons), it means the port 6775 request was not passed along by



## Educator Guide: Solar System Bead Activity , NASA/JPL Edu

Students construct -- and where appropriate, calculate -- a scale model of the solar system using beads and string. Students will observe the relative distances of the planets, asteroid belt and dwarf planet Pluto from one another and from the sun; and gain a better understanding of the vast distances between planets in the outer solar system compared with those in the inner solar ...



[Photojournal: NASA's Image Access Home Page](#)

publicly released images from various Solar System exploration programs Find a Node - Use these links to navigate to any of the 8 publicly accessible PDS Nodes. This bar indicates that you are within the PDS enterprise which includes 6 science discipline nodes



## Our Solar System

Our solar system features eight planets, seen in this artist's diagram. Although there is some debate within the science community as to whether Pluto should be classified as a Planet or a dwarf planet, the International Astronomical Union has decided on the term plutoid as a name for dwarf planets like Pluto.



Higher conversion efficiency

CAN/RS485/WIFI/4G Blue tooth communication

20 Kwh

30 Kwh

50 Kwh

Thick shell, well protection for inside cells

BMS customization supported

## NASA Sails Full-Speed Ahead in Solar System Exploration

NASA's Juno is now poised to shine a spotlight on the origins and interior structure of the largest planet in our solar system. As we wait for Juno's first close-up images of Jupiter (to be taken Aug. 27 during the spacecraft's next pass by the planet), NASA continues



### Student Project: Make a Scale Solar System , NASA/JPL Edu

3. Choose where your model solar system will go Pick a place to set up your solar system model. This could be across a bedroom wall, along the floor of a hallway or large room, outside in a yard, or down a sidewalk. Keep your choice in mind as you calculate the



### Model How the Solar System Formed

2. Form a nebula Roughly 4.5 billion years ago, our solar system formed from a nebula made up of interstellar dust and gas. Start your model by creating this ancient nebula. Use one color of playdough to create 15-20 pea-size balls, and ...

### Eyes

Eyes on the Solar System. This simulated view of the solar system allows you to explore the planets, their moons, asteroids, comets and the spacecraft exploring them. You can also fast-forward or rewind time, and explore the solar system ...



### JPL Solar System Dynamics

NASA JPL Caltech Toggle navigation Home About What does SSD do? FAQ Sitemap Contact Us Orbits & Ephemerides Introduction physical characteristics, and discovery circumstances for most known natural bodies in our solar system. Skip Navigation



## Mars Odyssey

A view of the biggest canyon in the solar system, captured by NASA's Mars Odyssey orbiter. This canyon system on Mars, named Valles Marineris, stretches as far as the distance from California to New York. Steep walls nearly as high as Mount Everest give way



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