

# List of largest moons in the solar system





## Overview

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What is the largest moon in the Solar System?

Orbiting the planet Jupiter is the solar system's largest moon. Called Ganymede, it has a diameter of 3,275 miles (5,270 kilometers). This makes Ganymede even larger than the planet Mercury, which has a diameter of 3,032 miles (4,879 kilometers). If Ganymede formed in orbit around the Sun rather than Jupiter, it would likely be defined as a planet.

How many moons are there in the Solar System?

NASA JPL Solar System Dynamics lists 290 moons: one moon for Earth; two for Mars; 95 at Jupiter; 146 at Saturn; 27 at Uranus; 14 at Neptune; and five for dwarf planet Pluto but the more official and recognized count is a little lower. Jupiter and Saturn are often neck and neck for the most number of officially recognized moons in the solar system.

Do all planets have moons?

(Notably, Mercury and Venus are the only planets in the solar system that do not have moons.) In the ensuing three decades, finding solar system moons largely fell to NASA spacecraft. After Voyager 2's flyby of Neptune in 1989, the total number of solar system moons had nearly doubled to 60.

Which Moon has a magnetic field?

Ganymede is the largest moon in our solar system and the only moon with its own magnetic field. Callisto is the most heavily cratered object in our solar system. Ganymede completes an orbit around Jupiter about every seven Earth days (7.155). Ganymede orbits the Sun along with Jupiter and its other satellites every 12 Earth years.

How many moons orbit the planets and dwarf planets?

There are over 180 moons that orbit the planets and dwarf planets. The largest 19 moons in the list below are large enough to have been rounded by



their own gravity (this is called being in hydrostatic equilibrium). If these moons were directly orbiting the Sun, that'd be referred to as planets or dwarf planets!.

What is the furthest Moon from Jupiter?

The furthest from Jupiter was called Callisto. Callisto is the second-largest moon of Jupiter and the third-largest in the solar system overall, having a diameter of 2,995 miles (4,820 kilometers). The surface of Callisto is heavily cratered, and it is likely the least active world in the solar system.



## List of largest moons in the solar system

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### [List of moons , Britannica](#)



There are 171 moons, or natural satellites, orbiting the planets in our solar system; Earth, Mars, Jupiter, Saturn, Uranus, and Neptune have 1, 2, 66, 62, 27, and 13 moons, respectively. The following is a list of some of the major planetary moons, including those of

### [The Moons of the Solar System](#)

The following tables contain all the known moons of the solar system, including the dozens of moons circling Jupiter, Saturn, Uranus, and Neptune. As of February 2024, the count stood at 298, distributed as follows: ...



### **Ganymede (moon)**

Ganymede, or Jupiter III, is the largest and most massive natural satellite of Jupiter, and in the Solar System. Despite being the only moon in the Solar System with a substantial magnetic field, it is the largest Solar System object ...

### [How Many Moons Does Each Planet Have?](#)

We then move on to Ganymede, the largest moon in our solar system. With a diameter of 3,273 miles, Ganymede is so huge that it boasts its own magnetic field -- the only known moon to do so. With a diameter of 2,990 miles, Callisto is Jupiter's second-largest moon with a surface



completely dotted with craters.

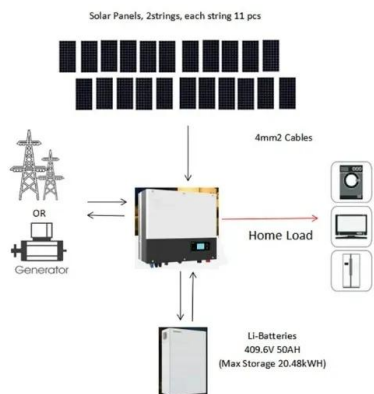


### Moons

Uranus' Moons - 27 Uranus is known to have 27 in orbit around it. The five largest are Puck, Miranda, Ariel, Umbriel, Titania, and Oberon. The innermost moons are similar in characteristics with the thin rings. The five largest moons are rounded, and four of them

### Moons

Jupiter: The largest planet in our solar system boasts 95 moons. The four largest--Io, Callisto, Ganymede, and Europa--were discovered by Galileo Ganymede and Simon Marius in 1610.  
 Saturn : renowned for its majestic rings, it boasts a staggering 146 moons; the largest, Titan, was discovered in 1655 by Dutch astronomer Christiaan Huygens.



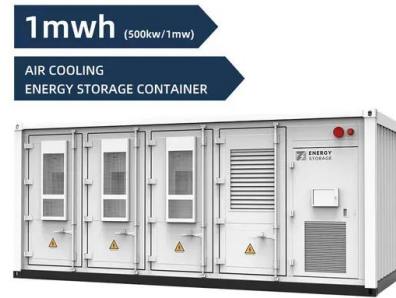
### Moons of the Solar System

Saturn's moon Titan, the second largest in the solar system, is the only moon with a thick atmosphere. Beyond Saturn, Uranus has 27 known moons. The inner moons appear to be about half water ice and half rock. Miranda is the most unusual; its chopped-up



### The Solar System's Major Moons , The Planetary Society

The Solar System's Major Moons The Solar System contains 18 or 19 natural satellites of planets that are large enough for self-gravity to make them round. (Why the uncertain number? Neptune's moon Proteus is on the edge.) They are shown here to scale with



### How Many Moons Does Jupiter Have , Biggest Moon In The Solar System

Being the largest planet in the Solar System, Jupiter has the second-largest number of moons. The first four of them - the Galilean moons - were discovered more than 400 years ago. Learn about the brightest comets observable from the Earth in 2024-2025. Some

### The Nine Planets of The Solar System , Eight Planets Without Pluto

The Nine Planets is an encyclopedic overview with facts and information about mythology and current scientific knowledge of the planets, moons, and other objects in our solar system and beyond. Eris Eris is the same size as Pluto, but three times further from the



### [The Moons of the Solar System](#)

The following tables contain all the known moons of the solar system, including the dozens of moons circling Jupiter, Saturn, Uranus, and Neptune. As of February 2024, the count stood at 298, distributed as follows: Earth 1, Mars 2, Jupiter 95, Saturn 146, Uranus 28, Neptune 16 -- and among the IAU-approved dwarf planets: Pluto 5, Haumea 2, Makemake 1, ...





### Moons of the Solar System

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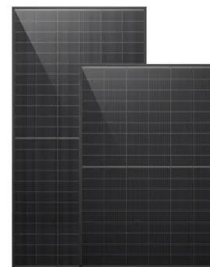


### [The moons of the planets of the Solar System](#)

Ganymede: Ganymede is the largest moon in the solar system and has its own magnetic field. It is also believed to have a subsurface ocean.  
Callisto: Callisto is one of the oldest and most cratered moons in the solar ...

### Ganymede: Facts

Jupiter's moon Ganymede is the largest moon in our solar system, bigger than the planet Mercury and dwarf planet Pluto. NASA's Hubble Space Telescope has found the best evidence yet for an underground saltwater ocean on ...



### Ganymede (moon)

With a diameter of about 5,270 kilometres (3,270 mi) and a mass of  $1.48 \times 10^{26}$  tonnes ( $1.48 \times 10^{23}$  kg;  $3.26 \times 10^{23}$  lb), Ganymede is the largest and most massive moon in the Solar System. [45] It is slightly more massive than the ...



- IP65/IP55 OUTDOOR CABINET
- OUTDOOR CABINET WITH AIR CONDITIONER
- OUTDOOR ENERGY STORAGE CABINET
- 19 INCH



List of Solar System extremes

This article describes extreme locations of the Solar System. Entries listed in bold are Solar System-wide extremes. By feature Record dwarf planets, or moons of major or dwarf planets, or stars; (3) hydrostatically round so as to be able to provide a geodetic



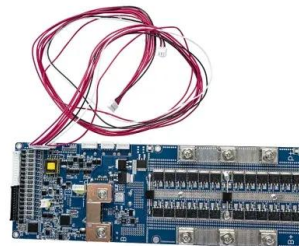
**Moons: Facts**

Moons - also called natural satellites - come in many shapes, sizes and types. They are generally solid bodies, and few have atmospheres. Most planetary moons probably formed out the discs of gas and dust circulating around planets in the early solar system. There are hundreds of moons in our solar system - even asteroids [...]



**What are the Largest Moons in the Solar System?**

Every planet from Earth outwards has moons but which are the largest. Our planet has only one moon, called the Moon but other planets have sixty moons. This page lists the largest 20 moons in the solar system and our moon isn't one of them.



**Total Number of Moons in the Solar System with ...**

Titan is the second-largest moon of our solar system with almost 50% larger than the earth's moon. It is the moon of planet Saturn. What is the smallest moon in the solar system? 'S/2009 S 1' is a moonlet of Saturn and comes in the list of ...





## Moons of Our Solar System

How Many Moons Are in Our Solar System?  
Naturally-formed bodies that orbit planets are called moons, or planetary satellites. The best-known planetary satellite is, of course, Earth's Moon. Since it was named before we learned ...



### [List of Solar System objects](#)

The following is a list of Solar System objects by orbit, ordered by increasing distance from the Sun. Most named objects in this list have a diameter of 500 km or more. The Sun, a spectral class G2V main-sequence star

## The Solar System's Major Moons , The Planetary Society

The Solar System's Major Moons The Solar System contains 18 or 19 natural satellites of planets that are large enough for self-gravity to make them round. (Why the uncertain number?  
...



### [Moons Of The Solar System \(Natural Satellites\)](#)

Check out this list of the 30 Largest Moons! Facts About The Earth's Moon The Moon is Earth's only permanent natural celestial companion! It is the fifth-largest moon in the Solar System, produces the Earth's ocean tides, is believed to have formed shortly after



### Planetary-mass moon

Planetary-mass moons larger than Pluto, the largest Solar dwarf planet. A planetary-mass moon is a planetary-mass object that is also a natural satellite. They are large and ellipsoidal (sometimes spherical) in shape. Moons may be in hydrostatic equilibrium due to tidal or radiogenic heating, in some cases forming a subsurface ocean.



### Discover the 7 Largest Moons in the Solar System

The fifth-largest moon in the solar system is Earth's moon. The moon is around one-quarter of the size of Earth with a diameter of 3,475 kilometers, or 2,160 miles. It has a solid iron core and a rocky, crater-ridden surface made up mainly of magnesium, oxygen

### 294 Moons of the Planets , 2024 List , GO ASTRONOMY

The first 6 moons are viewable using a telescope, and the largest moon Titan, is visible through good binoculars. Saturn also has hundreds to thousands of moonlets embedded in its ring system. Moons are listed by size. See also Moons of Saturn for A-Z list



### How Big is the Moon? , Comparisons, Size, Facts & Information

Moons vary in size, shape, and composition, and our Moon is in the top 10 list of the biggest satellites in our Solar System. H The Moon is the only natural and permanent satellite of Earth. Some planets have two moons, like Mars, others have tens of moons, such as Jupiter, while the planet with the most moons is Saturn, which has 82 moons.



### Solar system

4 ???· Solar system - Planets, Moons, Orbits: The eight planets can be divided into two distinct categories on the basis of their densities (mass per unit volume). The four inner, or terrestrial, planets--Mercury, Venus, Earth, and Mars--have rocky compositions and densities greater than 3 grams per cubic cm. (Water has a density of 1 gram per cubic cm.) In contrast, ...



### [Biggest Moons In Our Solar System](#)

According to the NASA/JPL Solar System Dynamics team, the current tally of moons orbiting planets in our solar system is 293: One moon for Earth; two for Mars; 95 at Jupiter; 146 at Saturn; 28 at Uranus; 16 at Neptune; and five for ...

### In Depth , Moons

Titan, the second largest in the solar system, is the only moon with a thick atmosphere. In the realm of the ice giants, Uranus's inner moons appear to be about half water ice and half rock. Miranda is the most unusual; its chopped-up appearance shows ...



### [Planets With The Most Moons](#)

When we include moons whose existence is not yet fully confirmed, Saturn has the largest moon system at 83 moons. Combining confirmed and unconfirmed moons, Jupiter has 80 moons. Together, Jupiter and Saturn have 163 moons or ...





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