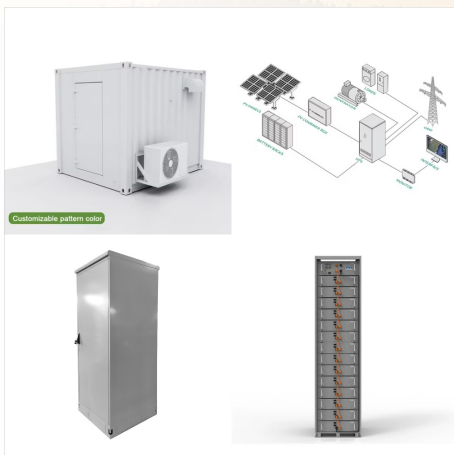




This is a list of exoplanets within the circumstellar habitable zone that are either under 10 Earth masses or smaller than 2.5 Earth radii, and thus have a chance of being rocky. [3] [1] Note that inclusion on this list does not guarantee habitability, and in particular the larger planets are more unlikely to have a rocky composition. [4] Earth is included for both comparison and reference



How Many Solar Systems are in the Milky Way?  
You might think our Solar System is unique, but there are over 5,000 solar systems that have been discovered already and are closely analyzed. Every year, scientists learn more and more solar systems, which are either different, similar, or unlike ours. They also discover new solar systems every year.



Our solar system consists of our star, the Sun, and everything bound to it by gravity ??? the planets Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune; dwarf planets such as ???

# OTHER SOLAR SYSTEMS IN OUR GALAXY NAMES



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 about other planetary satellites, it is called simply "Moon." According to the NASA/JPL Solar System Dynamics team, the current tally [??]



The Sun will likely be flung into a new region of our galaxy, but our Earth and solar system are in no danger of being destroyed. Andromeda, also known as M31, is now 2.5 million light-years away, but it is inexorably falling toward the Milky Way under the mutual pull of gravity between the two galaxies and the invisible dark matter that



The Sun has been called by many names. The Latin word for Sun is "sol," which is the main adjective for all things Sun-related: solar. This illustration shows the spiral arms of our Milky Way galaxy. Our Sun is in the Orion Spur. The Sun orbits the center of the Milky Way, bringing with it the planets, asteroids, comets, and other

# OTHER SOLAR SYSTEMS IN OUR GALAXY NAMES



The closest exoplanets are those found orbiting the star closest to the Solar System, which is Proxima Centauri 4.25 light-years away. The first confirmed exoplanet discovered in the Proxima Centauri system was Proxima Centauri b, in 2016. HD 219134 (21.6 ly) has six exoplanets, the highest number discovered for any star within this range.

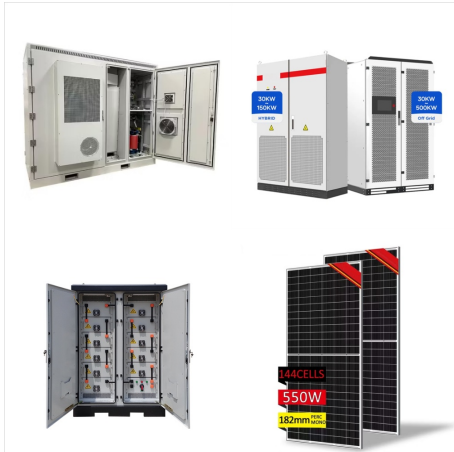


Our solar system includes the Sun, eight planets, five officially named dwarf planets, and hundreds of moons, and thousands of asteroids and comets. Our solar system is located in the Milky Way, a barred spiral galaxy with two major arms, and two minor arms.



? solar system, assemblage consisting of the Sun  
???an average star in the Milky Way Galaxy ???and  
those bodies orbiting around it: 8 (formerly 9)  
planets with more than 210 known ???

# OTHER SOLAR SYSTEMS IN OUR GALAXY NAMES



Our solar system consists of our star, the Sun, and everything bound to it by gravity ??? the planets Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune; dwarf planets such as Pluto; dozens of moons; and millions of asteroids, comets, and meteoroids.



Names of all the Planets of the Solar System. This page shows the names of all the planets and also the names of the currently known moons. It also lists the names and locations of each Planet and Satellite discoverer (if known) and provides the meaning/derivation for each name. The planets are in order of the date of discovery.



Proxima: A name derived from Proxima Centauri, the closest known star to our solar system, symbolizing proximity and connection. Vega: A bright star in the Lyra constellation, symbolizing grace and cosmic brilliance. Can I use galaxy names for projects other than characters and pets? Yes! Galaxy-inspired names are perfect for anything that



# OTHER SOLAR SYSTEMS IN OUR GALAXY NAMES



The name of our home galaxy, like the names of many other astronomy objects, came from the ancient Greek and Roman cultures. Both the Greeks and Romans saw the starry band as the river of milk. Our Solar System is placed between two main arms ??? Scutum-Centaurus and Perseus, within the small partial arm named the Orion Arm or Orion Spur.



Scientists have discovered more than 5,000 planets outside of the Solar System, or "exoplanets". Most stars in our galaxy have at least one exoplanet, and many are unlike any of the worlds in the Solar System. Some exoplanets could be habitable ???



? The Short Answer: Our planetary system is the only one officially called "solar system," but astronomers have discovered more than 3,200 other stars with planets orbiting them in our galaxy. Our solar system is just one specific ???

# OTHER SOLAR SYSTEMS IN OUR GALAXY NAMES



The official name for our solar system is simply "the Solar System." It reflects the system's organization around the Sun, the central star, and includes all the planets and celestial bodies that orbit it. It is usually referred to as "the Sun" in English and "Sol" in various other languages. These names reflect the star's



The Milky Way [c] is the galaxy that includes the Solar System, with the name describing the galaxy's appearance from Earth: a hazy band of light seen in the night sky formed from stars that cannot be individually distinguished by the naked eye.

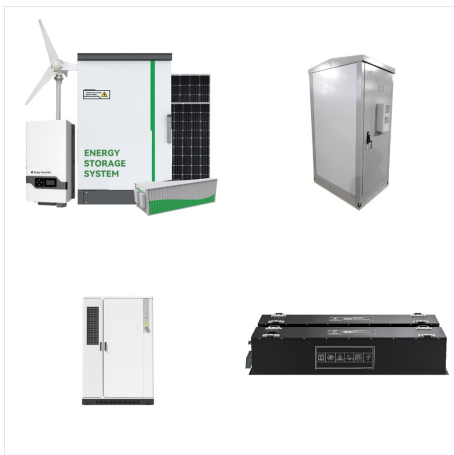


The Nine Planets is an encyclopedic overview with facts and information about mythology and current scientific knowledge of the planets, moons, and other objects in our solar system and beyond. The 9 Planets in Our Solar System

# OTHER SOLAR SYSTEMS IN OUR GALAXY NAMES



For example, the designation for the Sombrero Galaxy is NGC 4594. There are other popular catalogs, like the Messier catalog, that only contains 110 galaxies or the Catalogue of Principal Galaxies that has more than 73,000 galaxies. So it's possible for a galaxy to have multiple names. Galaxy Names



The solar system has eight planets: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune. There are five officially recognized dwarf planets in our solar system: Ceres, Pluto, Haumea, Makemake, and Eris. Get the Facts.



Table of Contents A star is any massive self-luminous celestial body of gas that shines by radiation derived from its internal energy sources. Of the tens of billions of trillions of stars composing the observable universe, only a very small percentage are visible to the naked eye. Many stars occur in pairs, multiple systems, and star clusters. The members of such stellar ???

# OTHER SOLAR SYSTEMS IN OUR GALAXY NAMES



A star system is a group of planets, meteors, or other objects that orbit a large star. While there are many star systems, including at least 200 billion other stars in our galaxy, there is only one solar system. That's because our sun is known by its Latin name, Sol. The solar system includes everything that is gravitationally drawn into the sun's orbit. Use these resources to learn about ???



multiplanetary systems are listed below according to the star's distance from Earth. Proxima Centauri, the closest star to the Solar System, has three planets (b, c and d). The nearest system with four or more confirmed planets is Gliese 876, with four known.



Proxima Centauri b, the closest known exoplanet to our solar system, orbits in the habitable zone of the red dwarf star, Proxima Centauri has a mass of 1.27 Earths, making it a super-Earth, a type of exoplanet with a mass larger than Earth's but significantly less than that of gas giants like Neptune or Jupiter.



# OTHER SOLAR SYSTEMS IN OUR GALAXY NAMES



Well, there is only one Solar System in our galaxy, as only ours is officially called so. But astronomers have found more than 3,200 other stars with planets orbiting them in the Milky Way. How many constellations are in the Milky Way?



? Milky Way Galaxy, large spiral system consisting of several hundred billion stars, one of which is the Sun takes its name from the Milky Way, the irregular luminous band of stars and gas clouds that stretches across the sky as seen from Earth. Although Earth lies well within the Milky Way Galaxy (sometimes simply called the Galaxy), astronomers do not have as ???



Like early explorers mapping the continents of our globe, astronomers are busy charting the spiral structure of our galaxy, the Milky Way. Using infrared images from NASA's Spitzer Space Telescope, scientists have discovered that the Milky Way's elegant spiral structure is dominated by just two arms wrapping off the ends of a central bar of stars.

OTHER SOLAR SYSTEMS IN OUR GALAXY NAMES

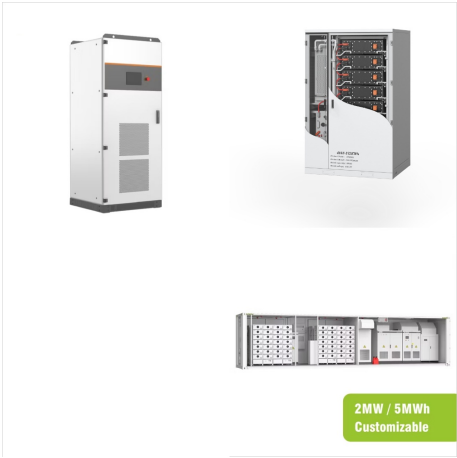
SOLAR<sup>®</sup>



OverviewEtymology and mythologyAppearanceAstronomical historyAstrographySize and massContentsStructure



Our solar system includes the Sun, eight planets, five officially named dwarf planets, and hundreds of moons, and thousands of asteroids and comets. Our solar system is located in the Milky Way, a barred spiral galaxy with two major ???



? solar system, assemblage consisting of the Sun ???an average star in the Milky Way Galaxy ???and those bodies orbiting around it: 8 (formerly 9) planets with more than 210 known planetary satellites (moons); many asteroids, some with their own satellites; comets and other icy bodies; and vast reaches of highly tenuous gas and dust known as the