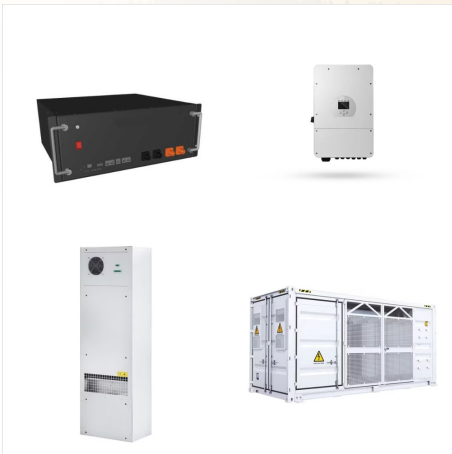




Distance from the Sun to planets in astronomical units (au): Planet Distance from Sun (au) Mars 1.52 Jupiter 5.2 Saturn 9.54 Uranus 19.2 Neptune 30.06  
Diameter of planets and their distance from the Sun in kilometers (km): Planet Diameter (km) Distance from Sun (km) Sun 1,391,400 - Mercury 4,879 57,900,000 Venus 12,104 108,200,000



The distances between planets will vary depending on where each planet is in its orbit around the Sun. Sometimes the distances will be closer and other times they will be farther away. The reason for this is that the planets have elliptical orbits and none of them are perfect circles. Mars: 1.14: 170,030,000: 105,651,744: Mercury: Jupiter



Mars is the fourth planet from the sun and is the last terrestrial planet. Mars is the focus of NASA and SpaceX because it is the only planet that humans can somewhat survive on (with the help of technology and science, of course). Mars is very cold and is currently inhabited solely by robots. Mars' gravity is 1/3 of that on Earth, but it is enough for humans to live on.

# HOW MANY PLANETS AWAY FROM THE SUN IS MARS



Mars is the fourth planet from the Sun, orbiting at an average distance of 141.6 million miles (227.9 million kilometers). Mars is about 49 million miles (79 million kilometers) farther from the Sun than Earth.



Our solar system is made up of a star???the Sun???eight planets, 146 moons, a bunch of comets, asteroids and space rocks, ice, and several dwarf planets, such as Pluto. The eight planets are Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune. Mercury is closest to the Sun. Neptune is the farthest.



If we were to speak in meters, then the Sun would be 150.4 billion meters away from Earth. The Earth orbits the Sun once every 365.3 days, while farther planets such as Mars, completes an orbit around the Sun in 687 days. For comparison, Mars is 1.5 AU away from the Sun, which would translate to 227.94 million km / 141.70 million mi.

# HOW MANY PLANETS AWAY FROM THE SUN IS MARS



Distance from the Sun: Mars is the fourth planet from the Sun and orbits roughly 142 million miles (229 million km) away. Orbit around the Sun: It takes 687 Earth days for the Red Planet to go



How to Use the Planet Chart. Using the four buttons at the top, select either Distance from the Sun, Distance from the Earth, Size in the Sky, or Brightness to control how the planets are displayed.; Press the Play button at the bottom of the chart to make time move in fast forward mode. You can also move backward and forwards in time by sliding the hand cursor along the ???



But just how far away is Mars from Earth, the Sun, and the other planets in our solar system? Read on to find out this and much more about the Red Planet! Mercury is the closest planet to the Sun and is therefore much hotter than Mars, with a mean temperature of 333 °F (176 °C). It only takes Mercury 88 days to orbit the Sun. Unlike Mars

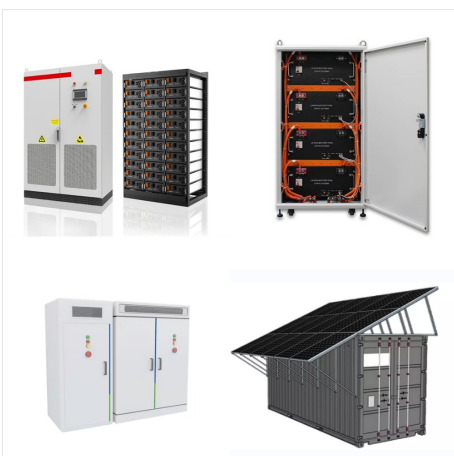
# HOW MANY PLANETS AWAY FROM THE SUN IS MARS



From an average distance of 886 million miles (1.4 billion kilometers), Saturn is 9.5 astronomical units away from the Sun. One astronomical unit (abbreviated as AU), is the distance from the Sun to Earth. From this distance, it takes sunlight 80 minutes to travel from the Sun to Saturn.



Mars is closest to Earth at opposition, when Earth passes between Mars and the Sun. By contrast, at solar conjunction???when Mars is on the opposite side of the Sun to Earth???the planet can be more than seven times farther away. Roughly speaking, Mars oppositions occur every 780 days (about 2 years and 50 days).



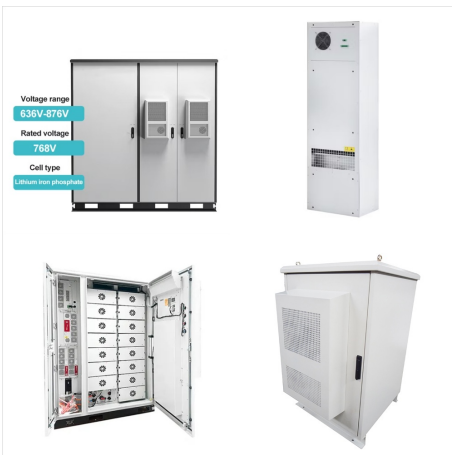
Mars is one of our direct neighbors in the solar system sitting further away from the Sun that our own planet does. As such it has much further to travel and subsequently a longer orbital period. A year on Mars then lasts roughly 687 ???



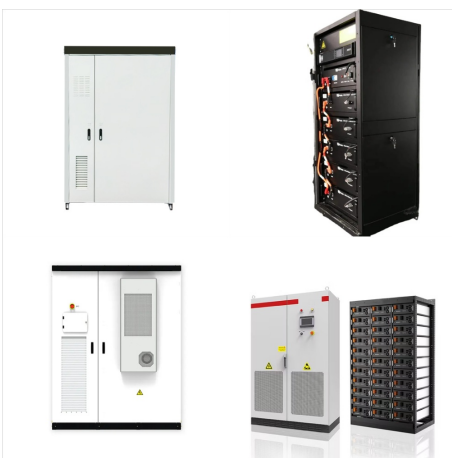
# HOW MANY PLANETS AWAY FROM THE SUN IS MARS



The distance between the Sun and Mars changes as the planet orbits the sun. Nevertheless, on average sunlight will take approximately 760 seconds or twelve minutes and forty seconds to reach Mars. The amount of time is calculated by dividing the average distance in meters by speed of light. The speed of light is 299,792,458 meters per second.



For instance, Mercury is the closest planet to the sun. On average, it is about 36 million miles away. In light years, that number would be 0.000006123880620837039 light years away. It's much easier to say that it is about 3.3 light minutes away, meaning it would take about 3.3 minutes for light to travel between Mercury and the sun.



Venus is the second planet from the Sun, and Earth's closest planetary neighbor. the Moon, and the five brightest planets: Mercury, Venus, Mars, Jupiter, and Saturn. They named the objects after their most important gods. In time, the shape of a quasi-satellite's orbit may change and it may move away from the planet. According to the

# HOW MANY PLANETS AWAY FROM THE SUN IS MARS



We already know that the distance of all the planets are generally calculated by keeping the Sun as the main location point. The distances of all the planets from the Sun in scientific notation and exponential form- Mercury- 57 million kilometers. Scientific notation-  $5.7 \times 10^7$  "km" Venus- 108 million kilometers. Scientific notation-  $1.08 \times 10^8$  "km" Earth- 150 ???



? Mars - Red Planet, Orbit, Moons: Mars is the fourth planet out from the Sun. It moves around the Sun at a mean distance of 228 million km (140 million miles), or about 1.5 times the distance of Earth from the Sun. Because of Mars's relatively elongated orbit, the distance between Mars and the Sun varies from 206.6 million to 249.2 million km (128.4 million to 154.8 million ???)



To put this into scale, Mercury is on average 0.387 AU from the sun. This means that Mercury is approximately a third of the way between the sun and Earth. Venus is the second planet from the sun and the closest planet to Earth. Venus orbits the sun at an average distance of 0.722 AU, equating to 67-million miles on average.

# HOW MANY PLANETS AWAY FROM THE SUN IS MARS



Jupiter is the fifth planet from the Sun, and the largest in the solar system ??? more than twice as massive as the other planets combined. Mars. Jupiter. Saturn. Uranus. Neptune. Pluto & Dwarf Planets . Solar System Home; Explore This Section Jupiter. Jupiter is the fifth planet from the Sun, and the largest in the solar system ??? more



Perihelion: The closest distance a planet gets to the Sun in its orbit. Mars (206.650 million km) gets 1.405 times closer to the Sun than Earth at its closest approach. Aphelion: The farthest distance a planet gets from the Sun in its orbit. Mars (249.261 million km) gets 1.639 times farther from the Sun than Earth at its farthest point.



It is named after the Roman god of war and is 141.6 million miles away from the sun. Mars is the seventh largest planet in the solar system, with a diameter of 4,222 miles. It takes 686.98 Earth days for Mars to revolve around the sun, and it rotates on its axis in 24.6 Earth hours. It has a hard, dry, rocky surface and two moons.

# HOW MANY PLANETS AWAY FROM THE SUN IS MARS



Mars is the fourth planet from the sun and is the last terrestrial planet. Mars is the focus of NASA and SpaceX because it is the only planet that humans can somewhat survive on (with the help of technology and science, of course). ???



Mars is the fourth planet from the Sun ??? a dusty, cold, desert world with a very thin atmosphere. Mars is also a dynamic planet with seasons, polar ice caps, canyons, extinct volcanoes, and evidence that it was even more active in the past. In the late 1800s when people first observed the canal-like features on Mars' surface, many