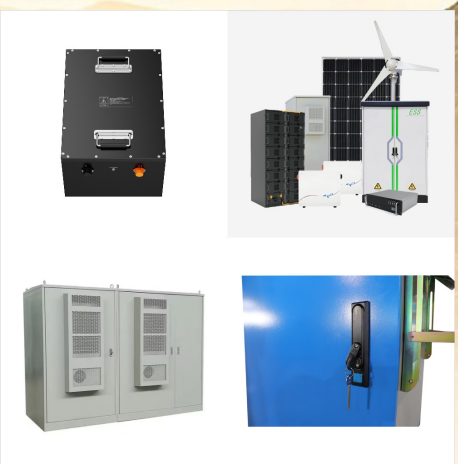
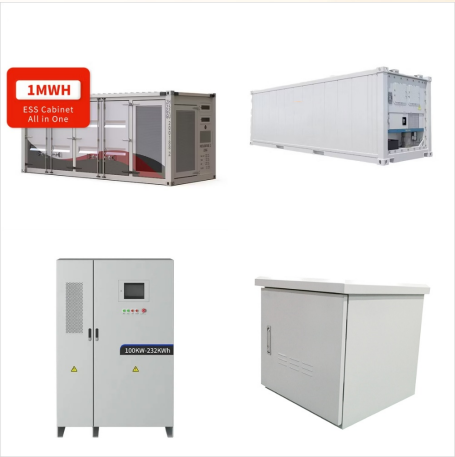
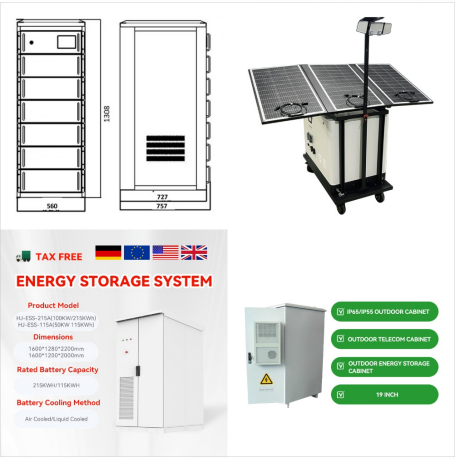


Astronomers have discovered a six-pack of planets, formed at least 4 billion years ago and remarkably unchanged since, orbiting a nearby sun-like star. which is one reason the new system is so

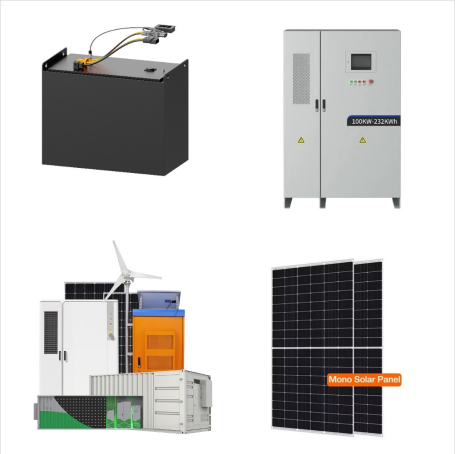


Astronomers for the first time have taken snapshots of a multi-planet solar system, much like ours, orbiting another star. The new solar system orbits a dusty young star named HR8799, which is 140 light years away and about 1.5 times ???

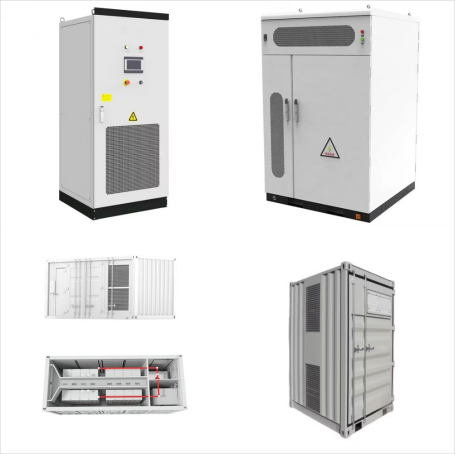


The Subaru Telescope has discovered new objects beyond the known Kuiper Belt, suggesting a more complex structure at the edge of the Solar System. This finding could reshape our understanding of planet formation and boost the search for life outside Earth. Using the Subaru Telescope to observe th

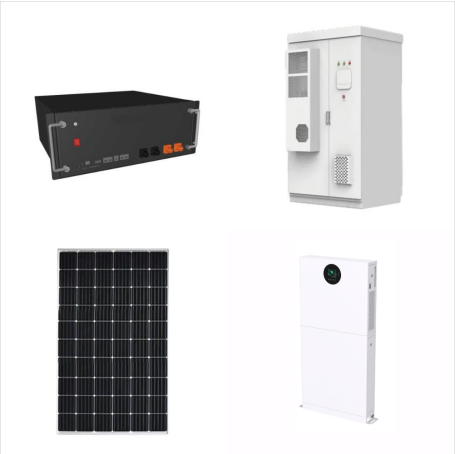
NEW SOLAR SYSTEM DISCOVERED



Astronomers have discovered a solar system 100 light-years away with six planets moving in perfect harmony, untouched by outside forces since their birth. The find can help explain how solar systems across the Milky Way galaxy came to be and how our own system evolved.

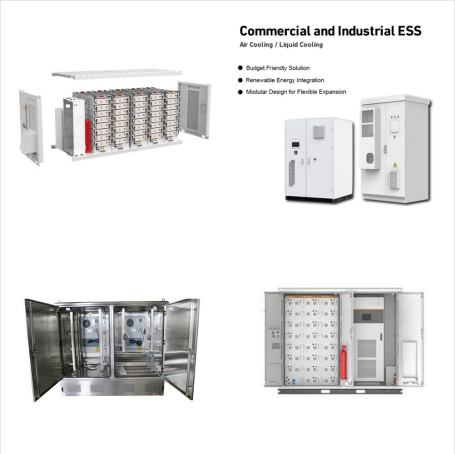


Kepler-11 is a sun-like star around which six planets orbit. At times, two or more planets pass in front of the star at once, as shown in this artist's conception of a simultaneous transit of three planets observed by NASA's Kepler spacecraft on Aug. 26, 2010.

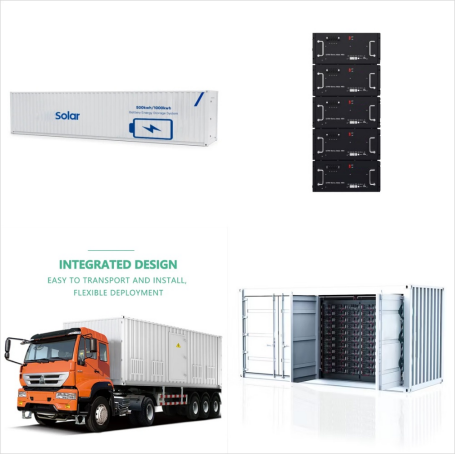


CAPE CANAVERAL, Fla. (AP) ??? Astronomers have discovered a rare in-sync solar system with six planets moving like a grand cosmic orchestra, untouched by outside forces since their birth billions

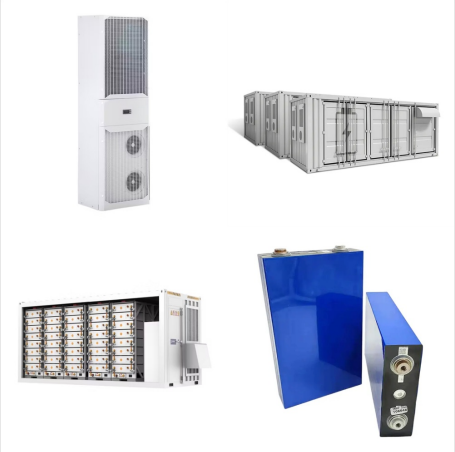
NEW SOLAR SYSTEM DISCOVERED



We get a lot of exciting science news about new exoplanets routinely discovered by powerful space telescopes ??? the planets that orbit stars other than our own Sun. But you might be surprised to know that the search ???

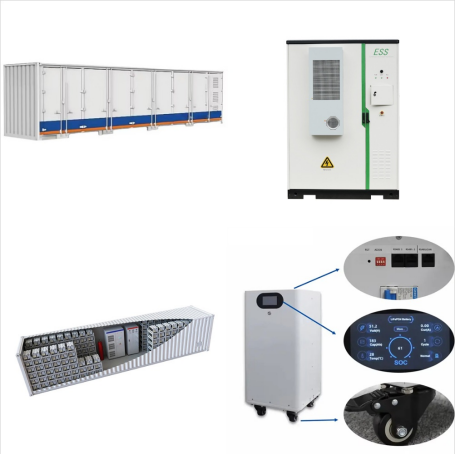


NASA's Kepler mission has discovered 11 new planetary systems hosting 26 confirmed planets. These discoveries nearly double the number of verified Kepler planets and triple the number of stars known to have more than one planet that transits, or passes in front of, the star. Such systems will help astronomers better understand how planets form.

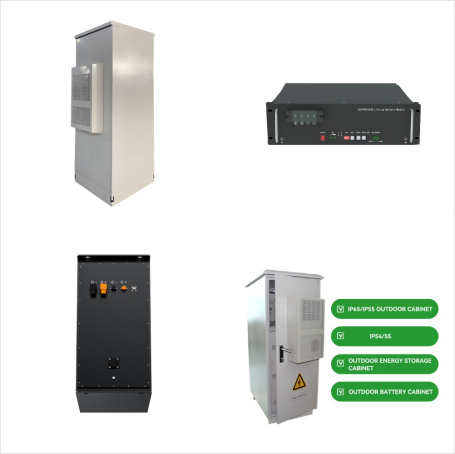


Webb's first observations were selected by a group of representatives from NASA, ESA, CSA, and the Space Telescope Science Institute. They reveal the capabilities of all four of Webb's state-of-the-art scientific instruments:. SMACS 0723: Webb has delivered the deepest and sharpest infrared image of the distant universe so far ??? and in only 12.5 hours.

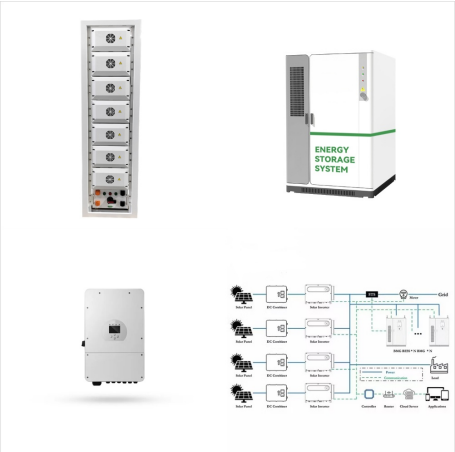
NEW SOLAR SYSTEM DISCOVERED



This artist's illustration shows TOI-561b, one of the oldest and most metal-poor planetary systems discovered yet in the Milky Way galaxy. Astronomers found a super-Earth and two other planets

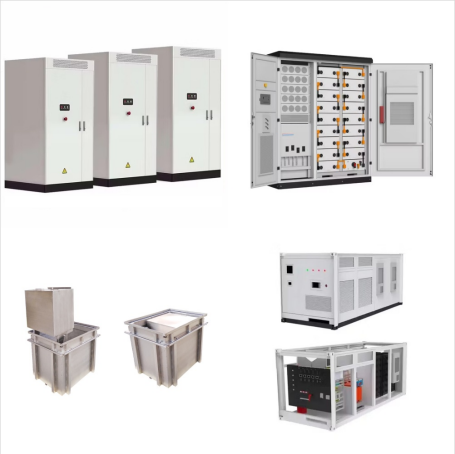


The new planets, HD 260655 b and HD 260655 c, are among the closest-known rocky planets yet found outside our solar system that astronomers can observe crossing the faces of their stars. Key facts: Using NASA's orbiting planet hunter, the Transiting Exoplanet Survey Satellite (TESS), scientists discovered sibling planets in Earth's size



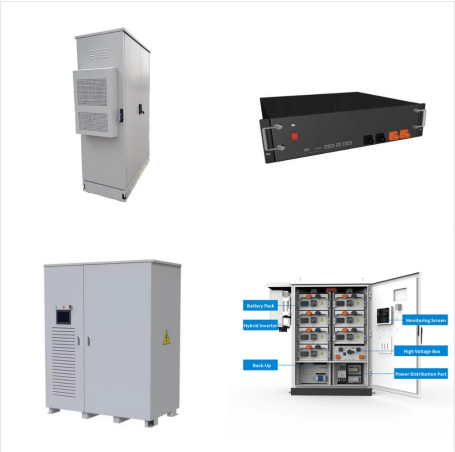
"These new scientific results from New Horizons may be the first time that any spacecraft has discovered a new population of bodies in our solar system," said Alan Stern, New Horizons principal investigator from the Southwest Research Institute in Boulder. "I can"t wait to see how much farther out these elevated Kuiper Belt dust levels

NEW SOLAR SYSTEM DISCOVERED



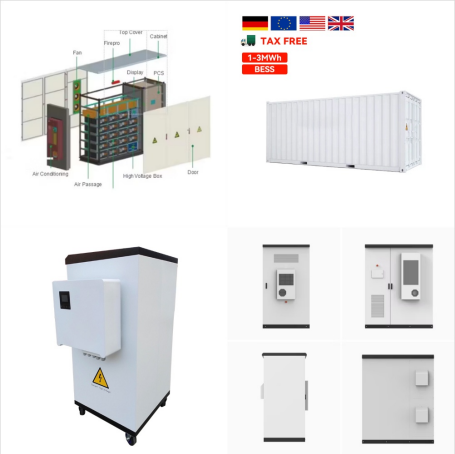
The newly discovered solar system is 100 light-years away in the constellation of Coma Berenices. Credit: European Space Agency. Astronomers have discovered a rare in-sync solar system with six planets in our Galaxy, the Milky Way, which is untouched by outside forces since their birth billions of years ago.

NASA's New Horizons has discovered unexpectedly high dust levels in the Kuiper Belt, hinting at a larger expanse or a new belt, reshaping our understanding of the solar system's outer edge. New observations from NASA's New Horizons spacecraft hint that the Kuiper Belt ??? the vast, distant outer zo. Close Menu. Facebook X (Twitter) Instagram.

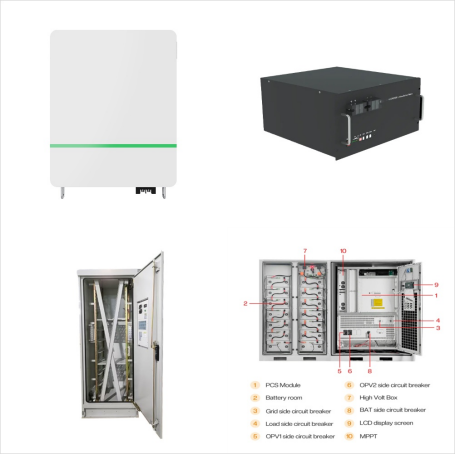


Using data from NASA's Transiting Exoplanet Survey Satellite, scientists have identified an Earth-size world, called TOI 700 e, orbiting within the habitable zone of its star ??? the range of distances where liquid water could ???

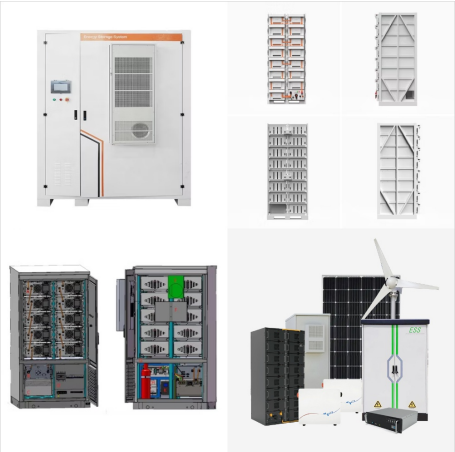
NEW SOLAR SYSTEM DISCOVERED



Researchers have located "the perfect solar system", forged without the violent collisions that made our own a hotchpotch of different-sized planets. The system, 100 light years away, has six

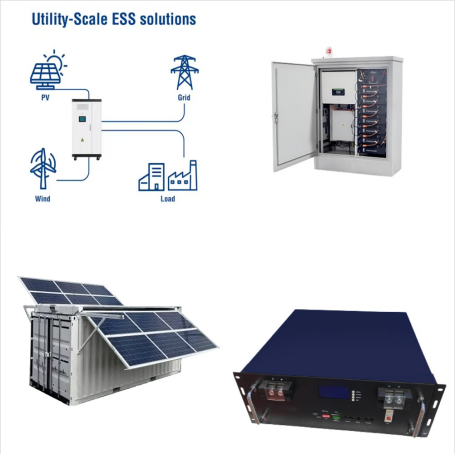


Astronomers have discovered a rare solar system with six planets moving in sync with one another. Estimated to be billions of years old, the formation 100 light-years away may help unravel some

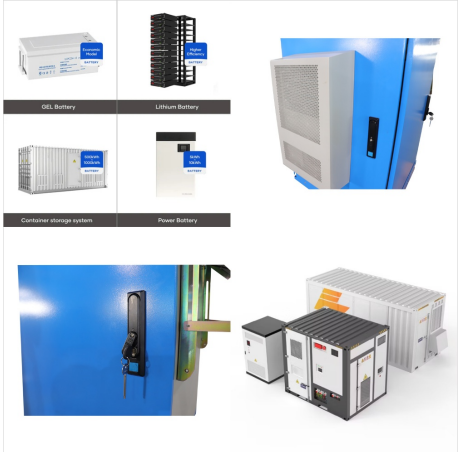


New solar system found to have 7 Earth-size planets. Three may even orbit in the "Goldilocks" zone. Artists" idea of what the TRAPPIST-1 solar system might look like. For now, each of it's Earth-sized planets is known by a letter only. "But for the first time since the first exoplanet was discovered 25 years ago, we may be able to

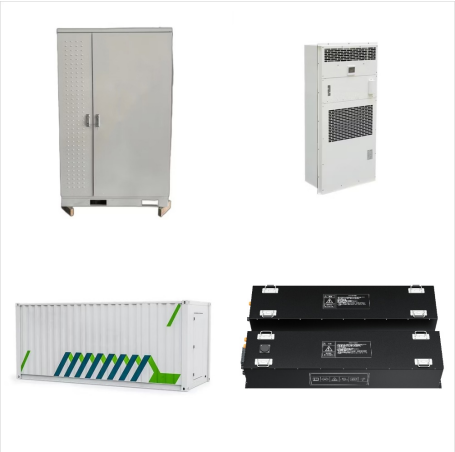
NEW SOLAR SYSTEM DISCOVERED



At the time, this set a new solar system record. The newly discovered Jovian moons are small, ranging from 0.6 to 2 miles (1 to 3.2 kilometers) wide, and most of them have wide orbits ??? nine of

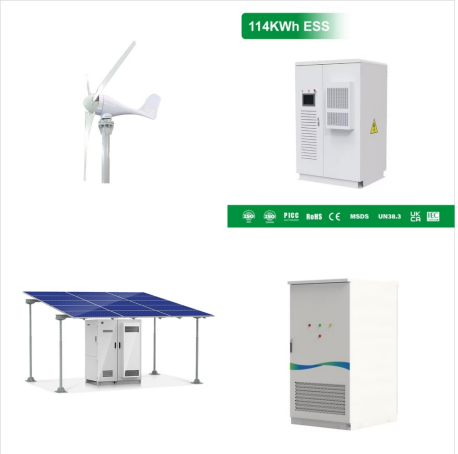


TRAPPIST-1: Largest Batch of Earth-sized Exoplanets The most studied planetary system, aside from our own solar system, lies about 40 light-years away. We"ve looked at the seven rocky exoplanets orbiting the TRAPPIST-1 star with ground and space telescopes like Spitzer, Kepler, Hubble, and, now, the James Webb Space Telescope. In March 2023, the first science [???]

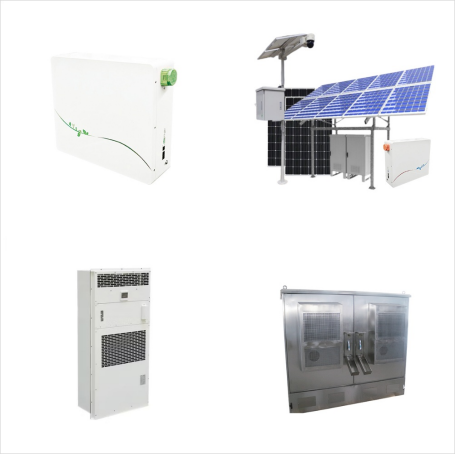


New Horizons flew by Arrokoth ??? the farthest and most primitive object solar system object ever explored by humankind ??? in the early hours of New Year's Day 2019. Thanks to Hubble, New Horizons was afforded the rare opportunity to visit an object discovered after the spacecraft launched.

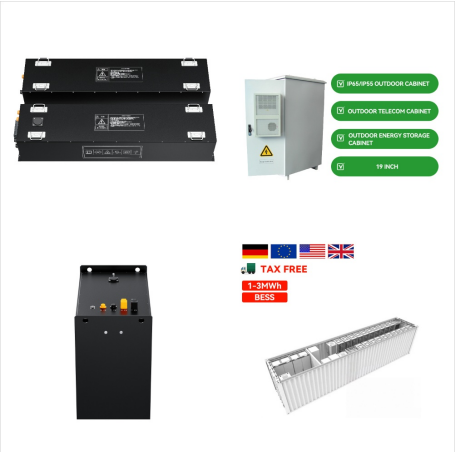
NEW SOLAR SYSTEM DISCOVERED



Astronomers at MIT, the University of New Mexico, and elsewhere have discovered a rare system containing two long-period planets orbiting TOI-4600, a nearby star that is 815 light years from Earth. The team discovered that the star hosts an inner planet with an orbit of 82 days, similar to that of Mercury, while a second outer planet circles



Astronomers for the first time have taken snapshots of a multi-planet solar system, much like ours, orbiting another star. The new solar system orbits a dusty young star named HR8799, which is 140 light years away and about 1.5 times the size of our sun. Three planets, roughly 10, 10 and 7 times the mass of Jupiter, orbit the star.



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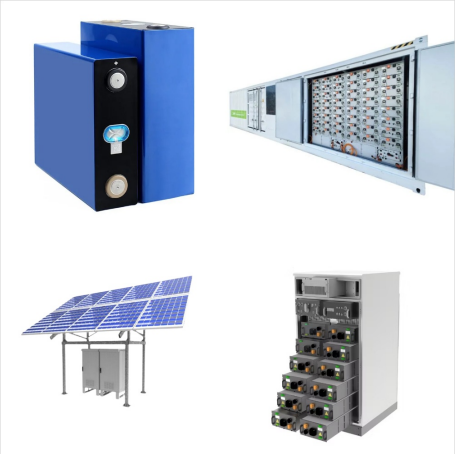

But a new raft of discoveries marks a scientific high point: More than 5,000 planets are now confirmed to exist beyond our solar system. The planetary odometer turned on March 21, with the latest batch of 65 exoplanets ??? planets outside our immediate solar family ??? added to the NASA Exoplanet Archive.