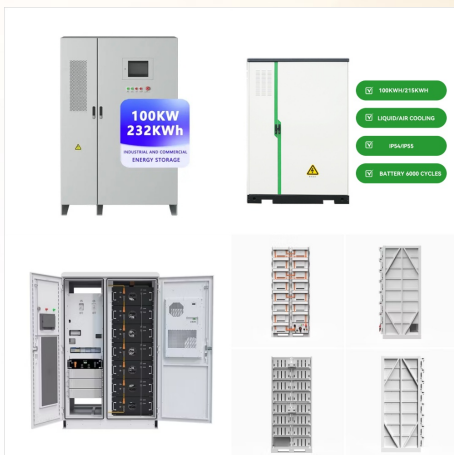I made a series of illustrated tutorials for orbital rendezvous & docking. There are 4 techniques. For a link to all the images in a single imgur album, click here. Hohmann Transfer Rendezvous: Orbit Phasing Rendezvous (easy radial-burn version): Orbit Phasing Rendezvous (more efficient progr

The Kerbal Space Program subreddit. For all your gaming related, space exploration needs. [deleted] ADMIN MOD Best way to establish orbit? KSP 1 Question/Problem I don"t want instructions for a specific design of rocket, I want something more general, something that works with most designs. Share Sort by: you can do a gravity turn and

150km low-orbit rendezvous 250km station 350km lunar/parking orbit 600km interplanetary/parking orbit Then anything launching is required to make at least a 75km orbit (pretty obviously, really). Ships being constructed in orbit or awaiting <whatever> from below sit at 150km (for easy rendezvous).

KSP BEST PHOTOVOLTAIC ORBIT

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50 Best Kerbal Space Program Mods To Download (All Free) BY Paolo Owyong This post may contain affiliate links. If you buy something we may get a small commission at no extra cost to you. . Image source He noticed how planets would appear too dark when in low orbit, and felt that this wasn"t realistic at all.

The Kerbal Space Program subreddit. For all your gaming related, space exploration needs. I"m fairly new to KSP. I"ve been successful in getting my space station in orbit and it is now ready for fuel tanks but I"m having a really hard time of getting an orange jumbo tank up there. the best tips I know of to get heavy things into orbit


This page lists various fan-made tools that can help calculations related to the gameplay of Kerbal Space Program. Unlike addons, they do not directly influence the game, as they are run separately.. The table cells that are shaded blue are links to the KSP Forums, to indicate open source tools and compatibility with the latest version of KSP. . Conversely, tools ???
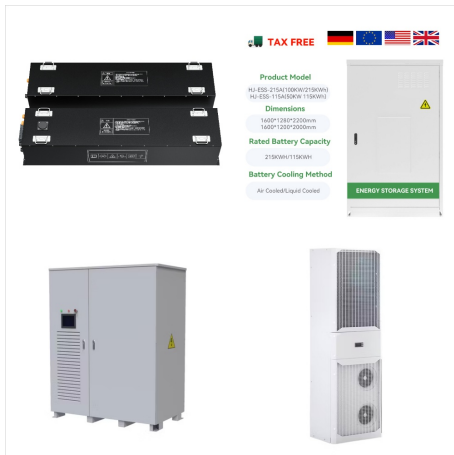
Probes and Satellites are two different things. This tutorial intends to help you understand what they are, what they do, and how you can build one in Kerbal Space Program.. A probe is an unmanned spacecraft that travels through space to collect science information, sent back for scientists to study.. A natural satellite is a celestial body orbiting a planet.

Also, keep in mind that true "efficiency" isn''t getting your payload to orbit with minimum DV expended, it's getting your payload to orbit with the least mass and cost. Higher t/w helps reduce your total DV requirement, but it also reduces your payload fraction and increases your cost. Best, -Slashy
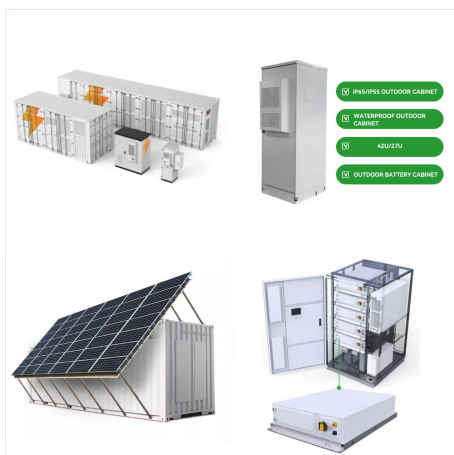
So I''ve built a station, and I want it to be in a 120km orbit. Yet i''m not sure what a solar orbit is. I have a infrared scanner on it and when i put it on a normal orbit, it says it needs to be on a solar orbit. Whats a solar orbit?

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Alternatively when coming from a higher orbit the placed satellite might do 1.33 orbits while the carrier makes 1 orbit with its PE at the target altitude. This requires two steps to work out. Getting the Period from the semi-major axis. The first step is knowing the period of the minimum orbit at which the satellites will see each other.

Hello,I got a satellite in a equatorial orbit (0?????? inclination) and I need to change it to a polar orbit (90?????? inclination) to use that Survey Scanner. I was expecting this so I put a Ion Propulsion engine on the sattelite.The best way to achieve this orbit is ???

In practice, +/- a few percent is pretty good. More than good enough for anything you might want a circular orbit for. As was said already, if you get the numbers really close (Like +/- 500 meters out of 100km!) the markers glitch right the f*ck out due to floating point errors.
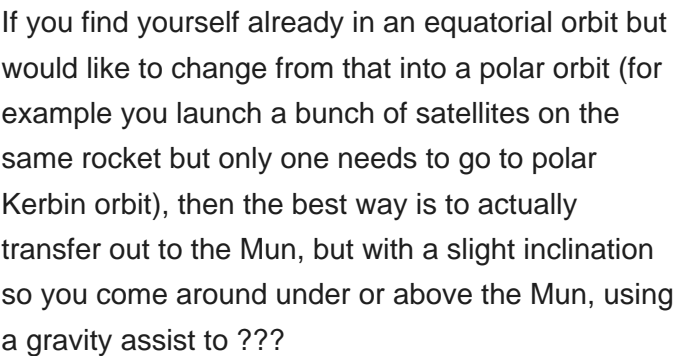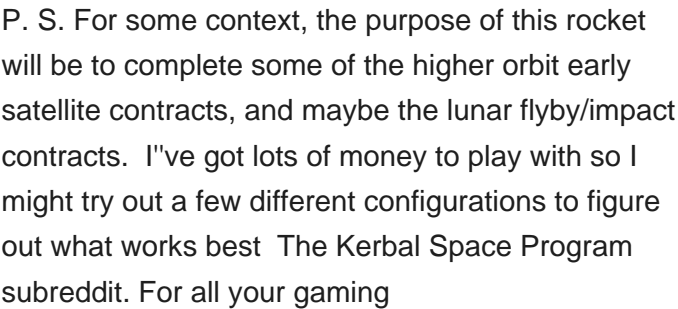
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HyperEdit is the ultimate cheat plugin for KSP. Teleport your ship, refill your tanks, change any orbit, move the planets around, and edit things like speed, gravity, atmospheric pressure, time, and more. v1.5.8, released July 10, 2018 : Works with KSP v1.12, and all versions back to 1.4.1. Kerba

I asked the same question with no answer so I had to figure it out by myself. Without KER: -set the plotting frame to lunar/earth baricenter and the plane of lunar orbit -the line dividing the navball in 2 is the plane of lunar orbit -wait your direction pointer is on that line, it means your launch site is a point of the lunar orbital plane -launch trying to keep the pro/retrograde and

These values are necessary to define any orbit. If you want just a simple circular, equatorial orbit, you need to edit the Semi-Majo Axis (SMA) and leave the other values as they are. In this case, the SMA would be the same as the radius of the orbit with the center right at center of the planet.

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Hello there! I have a contract to rendez-vous with a satellite in orbit around the Mun and repair a broken Gigantor XL panel. However, though I can see the broken part, I can do nothing on it. I cannot select or highlight it whatever I tried. I launched 2 times, as the first time I thought it was

P. S. For some context, the purpose of this rocket will be to complete some of the higher orbit early satellite contracts, and maybe the lunar flyby/impact contracts. I''ve got lots of money to play with so I might try out a few different configurations to figure out what works best The Kerbal Space Program subreddit. For all your gaming

If you find yourself already in an equatorial orbit but would like to change from that into a polar orbit (for example you launch a bunch of satellites on the same rocket but only one needs to go to polar Kerbin orbit), then the best way is to actually transfer out to the Mun, but with a slight inclination so you come around under or above the Mun, using a gravity assist to ???

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The Kerbal Space Program subreddit. For all your gaming related, space exploration needs. In Orbit Map view select a celestial body that is opposite or nearby the sun like Eve or Moho. I just pitch 45 degrees off the solar plane and rotate the solar panel plane 45 off of that. Usually works out well. Very few orientations cause any

CAME OUT, and the first thin i did was plant a flag on the Mun.secondly, i wanted to finally launch my space station into space because of the new IVA"s, ive launched one before, but im wondering about a decent orbit for a space station, i was wondering around 80,000? maybe 75 AP - 70 PE.


Kerbal Space Program 1 ; KSP1 Challenges & Mission ideas ; SCTO | Smallest Craft To Orbit I have been trying since I posted this and my best was 2.82t to a 100km orbit. Link to comment Share on other sites. More sharing options soranno. Posted April 29, 2013. soranno. 0.01 for a battery and solar panel required by the rules of that
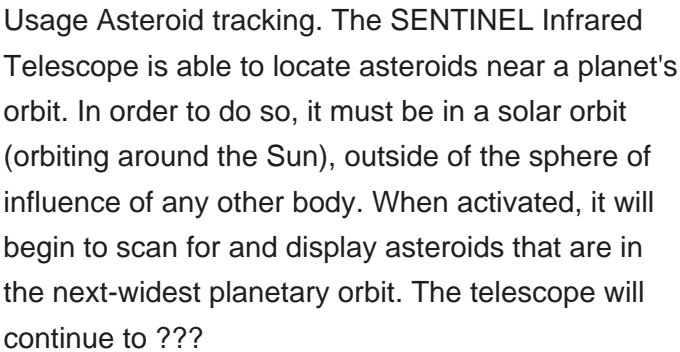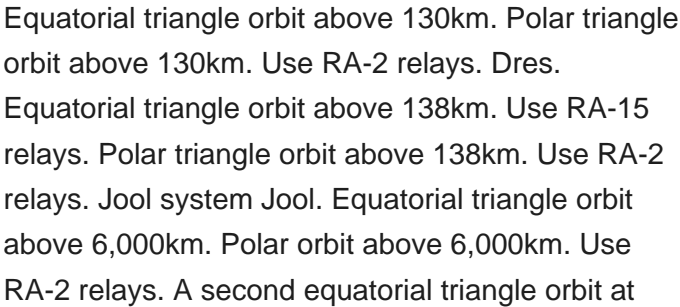
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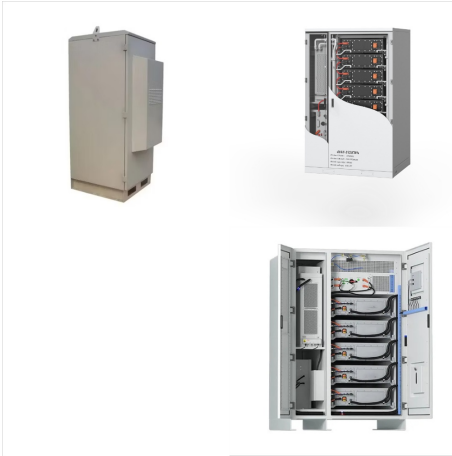
I"m thinking about some highly elliptical orbit around Sun (half-year, if it's even posible and if Moho and Eve don"t messing things up =), so it would require much dV to get there once a year, but ???

Hi I was wondering what do you place on a Satellite to have the best equiped machine on KSP (Fuel, energy, science, communication). Kerbal Space Program 1 ; KSP1 Discussion ; AA batteries, solar panel, tiny antenna, and a science package. Typically bolted together by Bob using KAS.
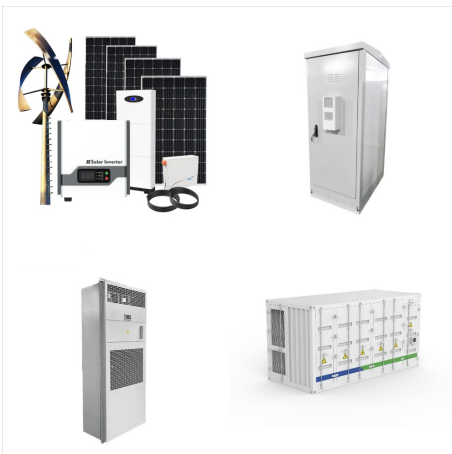
Hohmann transfer ??? See also: Hohmann transfer orbit on Wikipedia The Hohmann transfer is the most frequently used method of changing orbital altitudes while keeping the same inclination.The ending orbit may be around the same celestial body as it began or for traveling to another body, such as between Kerbin and the Mun.. It involves first entering an ???

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The Kerbal Space Program subreddit. For all your gaming related, space exploration needs. Best way to get to high kerbin orbit? I put a satellite into a 330km x 500km orbit with an 81? inclination. I didn''t have any trouble getting it there (I always use mechjeb), but I''m wondering if there is a better way to do it. I launched at 81? to 80km

Equatorial triangle orbit above 130km. Polar triangle orbit above 130km. Use RA-2 relays. Dres. Equatorial triangle orbit above 138km. Use RA-15 relays. Polar triangle orbit above 138km. Use RA-2 relays. Jool system Jool. Equatorial triangle orbit above 6,000km. Polar orbit above 6,000km. Use RA-2 relays. A second equatorial triangle orbit at

Usage Asteroid tracking. The SENTINEL Infrared Telescope is able to locate asteroids near a planet's orbit. In order to do so, it must be in a solar orbit (orbiting around the Sun), outside of the sphere of influence of any other body. When activated, it will begin to scan for and display asteroids that are in the next-widest planetary orbit. The telescope will continue to ???

KSP BEST PHOTOVOLTAIC ORBIT

Hello wonderful community,I"m thoroughly hooked on KSP now and am working my way through career mode. I"ve managed to get a behemoth of a space station with Science Lab and dock-able lander into a 75km circular more-or-less equatorial orbit around the Mun. However, in true Kerbal style I didn"t b