



Solar360 Mobile Energy

Stationeers solar horizontal tracking





Overview

Due to the frequency of game updates, all solutions are subject to change and may or may not be functional. The designs on this page are valid as of v0.2.3304.16432 (2022-06-06) While this specific Guid.

Is there a way to track solar panels?

The wiki for the game has a great setup for solar tracking. You just have to know which way the data ports are facing and make sure your sensor is pointing the right direction. It works every single time and any planet b/c it handles both yaw (rotation about the up axis) and pitch (rotation about the right axis) of the panels.

How do I get a 100% accurate solar tracker?

To get a "100%" accurate solar tracker on planets with an offset solar arc, you need to include the Horizontal component to the solar angle. What you need: Place the Daylight Sensor facing up, with the Data Port facing north. The panels should align themselves to the sun if you make sure to put the Power Port on the panels facing east (90 degrees).

Are solar panels horizontal or vertical?

Solar panels have a Horizontal parameter and a Vertical parameter that unfortunately don't line-up directly with the horizontal and vertical solar angles. In particular the vertical parameter is given as a percentage, where 0% is 15 degrees above the horizon and 50% is straight up.

What is stationeers & how does it work?

Stationeers (on steam) is a pretty complex space engineering game; much more so than a lot of what else is out there. Constructing a single structure involves several steps. For example, constructing an autolathe involves welding on iron sheets, fixing cables, welding on plastic sheets, and then using a wrench.

What is a vertical angle for a solar panel?



Sets the vertical angle of the Solar Panel (As of at least version 0.2.3263.16264, solar panels accept input in degrees above the horizon instead of in percent, so the solar panels travel between inputs of 15 and 165, with 90 being straight up).

What is the arc of vertical rotation of a solar panel?

At the extreme attitude settings (0/100) the solar panel still faces 15 degrees above the horizon. Thus the total arc of vertical rotation is only 150 degrees from input values 0-100. Can also be destroyed by storms, or left with very little health.



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[Solar Tracking park to east algorithm? : r/Stationeers](https://www.reddit.com/r/Stationeers/comments/1000000/solar_tracking_park_to_east_algorithm/)

I've really enjoyed writing my first BASIC program to track the solar panels, but I can't figure out the easy/efficient way to get them to park at the end of the day? Would you do - While power ...

Solar Logic Circuits Guide

Solar tracking using Logic Chips Six-chip dual-axis tracking To get a "100%" accurate solar tracker on planets with an offset solar arc, you need to include the Horizontal component to the solar angle. What you need: Kit ...



Europa Solar Tracking 75% to 99% Efficiency All day! :: Stationeers

The horizontal angle I use in my system goes like this: "Horizontal Sunrise Angle" call this T0, or "Starting Angle". then the vertical sun angle (from daylight sensor) is ...

Is there a way to incorporate Horizontal angle on Mars ...

One takes input from ReadHoriz and outputs to the solar panels horizontal aspect, the other takes the input from Selector, and one will output to the solar panel's vertical aspect. I find that this gives me 98% plus solar panel output



for ...

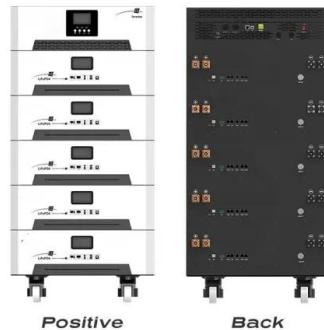


[PSA about solar tracking logic changes : r/Stationeers](#)

With the latest update, the daylight sensors are quite a bit different: they now output vertical and horizontal angle by default, and the y axis got flipped. This slightly broke the solar tracking logic ...

[IC10 Solar Tracking :: Stationeers General Discussions](#)

It work perfectly, my issue is about the Prefab Hash, i mean it work, but i tried to use hash to get all other solar panel but yeah of course it don't work as it create an integer for the string itself, meaning StructureSolarPanel is ...



[Solar Tracking System: testing, maths, and solution](#)

In this guide I'll first hand out the solution for a vertical solar tracking system, with an horizontal adding later on. What follows is a recap of the testing, and the maths behind the search for perfection.



anyone else had their solar tracking break after this update?

Added Horizontal and Vertical outputs to Daylight Sensor. Note: -y is inverted for this, so you will not need to flip for solar settings. Existing functionality is currently not changed for the daylight ...



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