

Od 1888 wyspy stanowiły protektorat brytyjski, zwany od 1893 Cook Islands Federation. W 1901 wyspy zostały przekazane Nowej Zelandii, a w 1903 zostały wyodrębnione z nich Niue jako osobna posiadłość. Od roku 1965 wyspy są terytorium autonomicznym z państwem samorządowym swobodnie stowarzyszonym z Nową Zelandią.



Toggle navigation rimstar . Crystal earphone/earpiece. Crystal earpieces, or earphones, consist of a piezoelectric crystal attached to a diaphragm (see diagram below.) The fluctuating voltage from the crystal radio's output is applied to the crystal causing it to vibrate. The vibration moves the diaphragm which creates sound waves in the air.



Rick's screen/matrix solar air heater - Rick, in Spain, built these screen/matrix style solar air heaters. His blog has several write-ups starting with his first back in 2018. Soon after, he added a second solar air heater and blogged about the efficiency. The photo on his most recent blog post about them from November 2021 shows he's come a long way. . For more about ???



This is different than my 30kV high voltage power supply that used a flyback transformer without built in diodes and a Cockcroft-Walton voltage multiplier or tripler that contained the diodes (see photos below.) However, the multiplier does allow that one to get to 30kV. On the other hand, this commercially made multiplier is hard to find, as it the flyback without built in diodes.



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I cook long grain brown rice using the stove for only 10 minutes instead of the normal 45 minutes this way! Low flow shower heads & on/off valve - uses less water and less water-heating fuel: electricity or natural gas or propane,



To wire it up, put it in the same place where a regular germanium diode would go in your crystal radio or foxhole radio. The diagrams below are for the crystal radio I use most which is the same one as in the photos on this page. The pencil is connected to the same place that the end of the diode without the stripe goes.



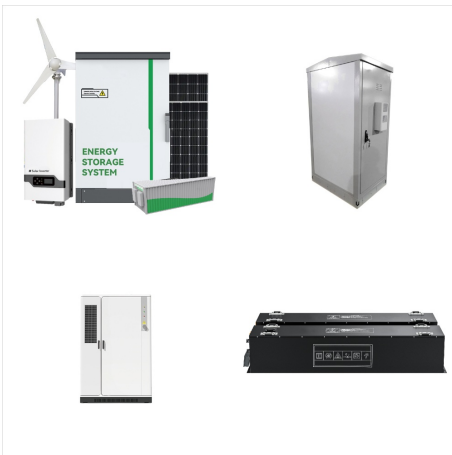
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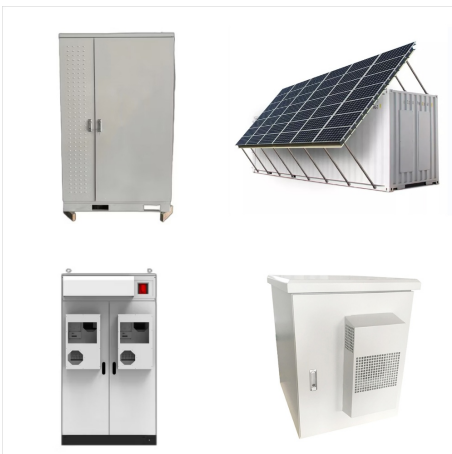
The Copenhagen solar cooker is a clever design that has the cooking pot sit flat while the reflectors are adjusted around it. Since the reflectors are flexible, you can get a fairly good amount of sunlight reflected to the pot whether the sun is low or high in the sky.



Crystal radios get their power from the radio signal themselves. There's no need to supply batteries or plug into a wall socket. I originally got into them to see how much power they could produce as part of my interest in non-conventional energy though I quickly abandoned that effort due to the low power output. But I kept playing with them anyway since I got such a buzz from ???



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Cooking minced pork with the fresnel lens solar cooker. The first thing I cooked was minced pork. This one took a long time to cook because I started too late in the day (6:00pm, May 31, Ottawa, Ontario, Canada) but it proved it works!



Toggle navigation rimstar . Getting started with renewable energy. Renewable energy systems available to the average person Surprisingly, this works. I cook this way when the sun's out at the right time of the day and I have the time to ???



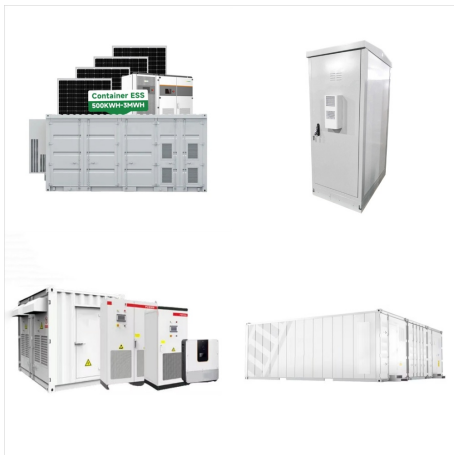
[The remaining photo's are of a newer version. Notice how the food is always at the focal point of the fresnel lens. This is done by having the pivot point for the lens" "legs" lined up with the grill table no matter what angle the lens is at.



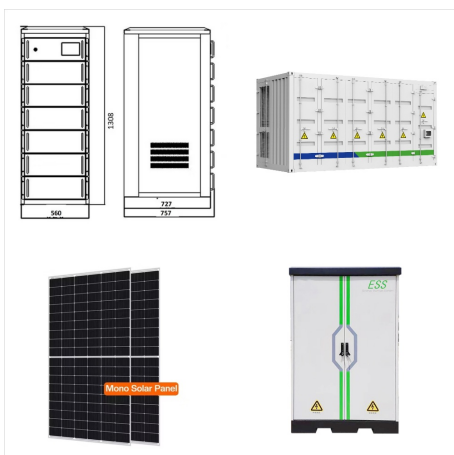
What, when and where can you cook? You can cook anything (e.g. bread, meat, cake, eggs, rice,) though for some things you have to have the right type of solar cooker. This is the same as cooking indoors where sometimes you'll use the burners on top of the stove, sometimes the oven and sometimes the microwave. More about the types of cookers



The course took 3 hours and included time enough to warm up chilli using a Modified CookKit and cook carrots and celery in water using a car sunshade cooker. How you do things will be different since you'll use different cookers and have a different climate. I highly recommend doing this course on a day when you can solar cook.



The normal way to cook long grain brown rice (for one person) is: put 1/4 cup rice in a pot, add 1 2/3 cup water, bring rice and water to a boil, cover, turn heat to low and leave for 45 minutes. The heat-retention way of cooking it is (the differences are highlighted below): put 1/4 cup rice in a pot, add 1 2/3 cup water,



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This page walks you through designing your own DIY/homemade coil. I've done it for making coils for crystal radios and Tesla coils but it works for any coil that's cylindrical in shape. This is also useful if you're going to be using your coil in an LC tank resonant circuit. An inductance calculator is provided below for making it easy.



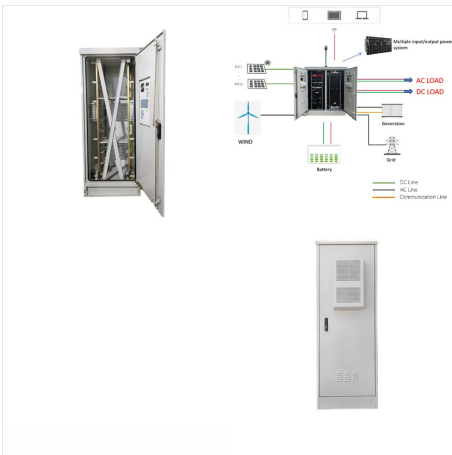
A zoetrope is a fun, educational, and easy to make animation experiment. Spin it and you see a animation appear before your eyes. See lower down on this page for pdf files you can download for making your own zoetrope and near the ???



Toggle navigation rimstar . Electronic Symbols.
Video - How to Read a Schematic. The following is an introductory level video for how to read a schematic. A list of symbols is given below.
Electronic symbols. The following are electronic symbols used in schematics. Categories of the electronic symbols below; Power and ground:
Switches:



Toggle navigation rimstar . Science and Electronics Projects. What's New. October 28, 2024 : Added a new video about improvements to Izzy object selection and making Izzy more compact. February 25, 2023 : Added a downloadable files for making zoetrope animations and a downloadable template for making a pinhole camera from poster board.



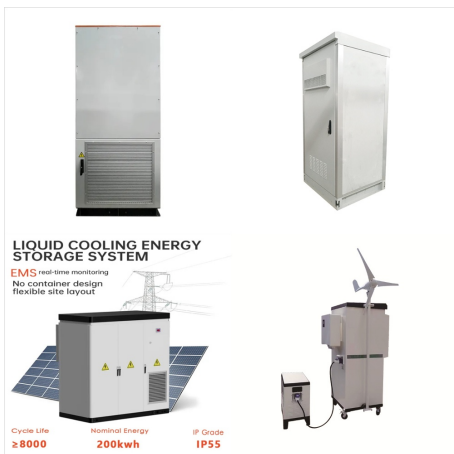
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A homemade electrolytic capacitor is one where the dielectric is a very, very thin layer of aluminum oxide (see the diagram on the right.) In fact, even though the negative plate is labelled as the grey metal strip, the electrolyte is conductive and really counts as ???



MY COOK ISLANDS "The humbleness of the people, the relaxed way of life here is something to truly appreciate and admire! This Island is a true magical untouched little island gem in the South Pacific. Definitely worth a visit !" Mitiaro through the eyes of a visitor.



rimstar - Solar/wind, composting, non-conventional energy/propulsion. how to do heat-retention cooking - cook long grain brown rice with 10 minutes on the stove instead of 45! December 16, 2010 New main composting page and started doing green bin composting for the winter.



Tip 1 - Use a long, straight antenna. A crystal radio's antenna should be as long as possible. A car antenna won't work. I've managed to get a wire around 12 feet/4 meters long to work, but I live near a few radio stations.