KEVIN JOHNSON

The INFINITE ENERGY SYSTEM

The Simple, Safe and Effective Way to Generate Clean, Cheap Electricity

STEP-BY-STEP GUIDE

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Contents

THE INFINITE ENERGY SYSTEM

Based on the same principle of John W. Keely and after a lot hard work and modified designs we finally managed to put together the Infinite Energy System.

The purpose of this project is to show you the working principle of the Infinite Energy System.

WARNING!!!

DUE TO THE PRESENCE OF HIGH VOLTAGE AND THE HIGH POWER OUTPUT OF THE DEVICE, YOU SHOULD BE VERY CAREFUL AND HAVE EXPERIENCE IN WORKING WITH HIGH-VOLTAGE ELECTRONICS! USE SAFETY PROCEDURES BEFORE STARTING THIS PROJECT. BUILD AT YOUR OWN RISK!

This device is like no other device in the world. You will be able to generate enormous amounts of energy so be prepared to go beyond our plans and experiment for yourself.

Please Keep All Of This Information For Yourself!

Getting Started:

In order to build **your own INFINITE ENERGY SYSTEM** you will need a few parts & tools.

Here's the list of parts & tools and where to find them:

Tools:

1 Soldering Gun

2 Plier

3 Calipers

4 Screw Driver

5 Drill

6 Allen Keys

7 Diagonal Cutting Plier

8 Digital Multimeter

Parts List:

Nr. Crt.	Description	Qty/ Unit	Vendor	Images
1	Yellow LCD I2c Module LCD 1602 16x2 Zeichen Display HD44780 Arduino Raspberry Pi	1	eBay Amazon	
2	MINI USB Nano V3.0 ATmega328P CH340G 5V 16M Micro-controller board for Arduino	1	eBay Amazon	
3	CB Prototyping Printed Circuit Board Single/Double-Sided Strip Breadboard D027 (You must select 7*9cm)	2	eBay Amazon	
4	Super Mini DCDC Converter Step Down Module-Adjustable F 1V,5V,12V,16V J0Z4 (Must be set to 5v out before you solder it to the board)	1	eBay Amazon	

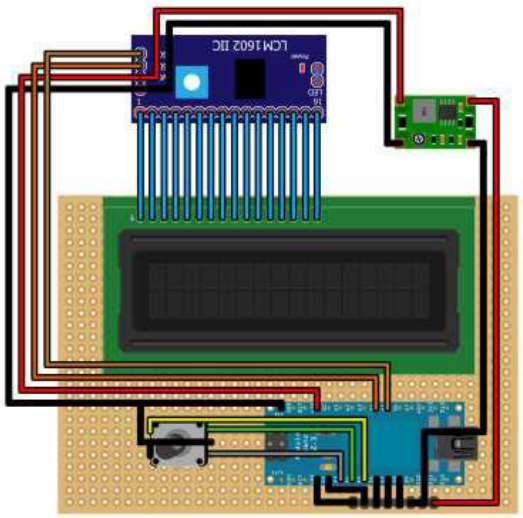
5	Rotary encoder switch EC11 Audio digital potentiometer 20mm knurled shaft	2	eBay Amazon	
6	40 Pin Single Row Male Headers Connector 2.54mm Strip Breakable Pin Header	1	eBay Amazon	
7	Jumper Wire Cable Male to Female to Female to Female Arduino Board (Female to Female, Select 30cm)	1	eBay Amazon	
8	Safe Single Axis TB6600 Driver Stepper Motor Controller 9-42VDC CNC Drive Module	1	eBay Amazon	
9	Wantai Nema 34 Stepper Motor 4A 3.2N-m(452oz-in) 99mm key way laser	1	eBay Amazon	

10	NEMA34 4.5NM Stepper Motor CNC 2Phase 4.2A 86HS45 Engraving Machine New In Box (Generator)	1	eBay Amazon	
11	BF 12.7mm x 12.7mm CNC Flexible Plum Coupling Shaft Coupler D30 L42	1	eBay Amazon	
12	Stranded Automotive Auto Equipment Wire Hookup Cable 12V (Select 14AWG)	1	eBay Amazon	
13	8Gauge Inline ATC Fuse Holder+30AMP Fuse	1	eBay Amazon	
14	4X 50A 1000V Metal Case Single Phases Diode Bridge Rectifier KBPC5010 L6T3	2	eBay Amazon	

15	300W Auto Car Power Inverter DC 12V to AC 110V Car 50Hz USB Converter	1	eBay Amazon	

BUILDING PROCESS

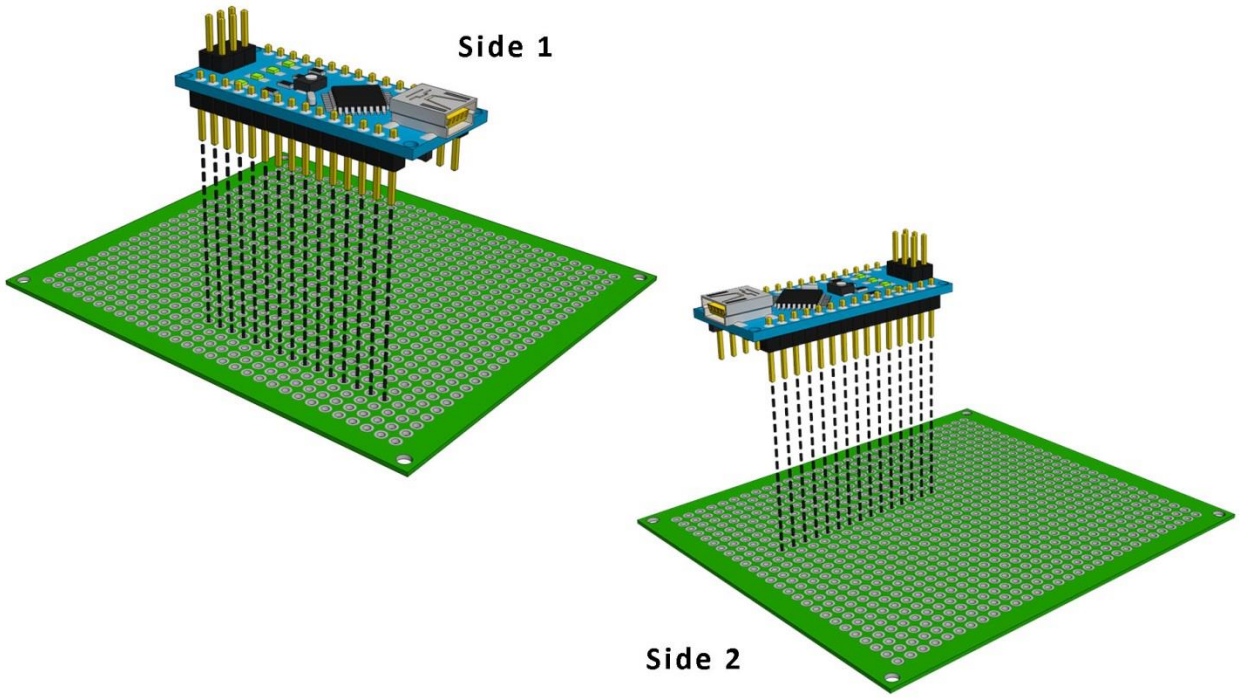
Diagram:



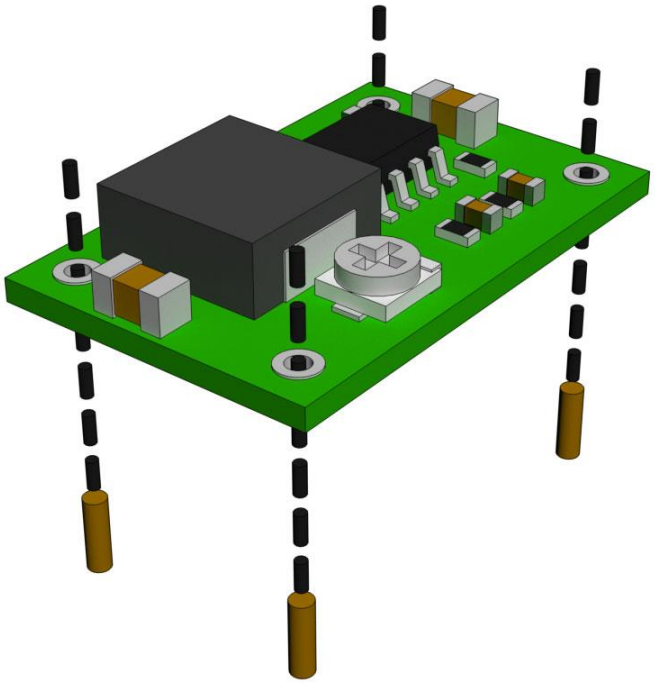
Assembly The Software Module :

In this step, we will add all the components on the Pref/PCB board. All the pins on the board will be soldered.

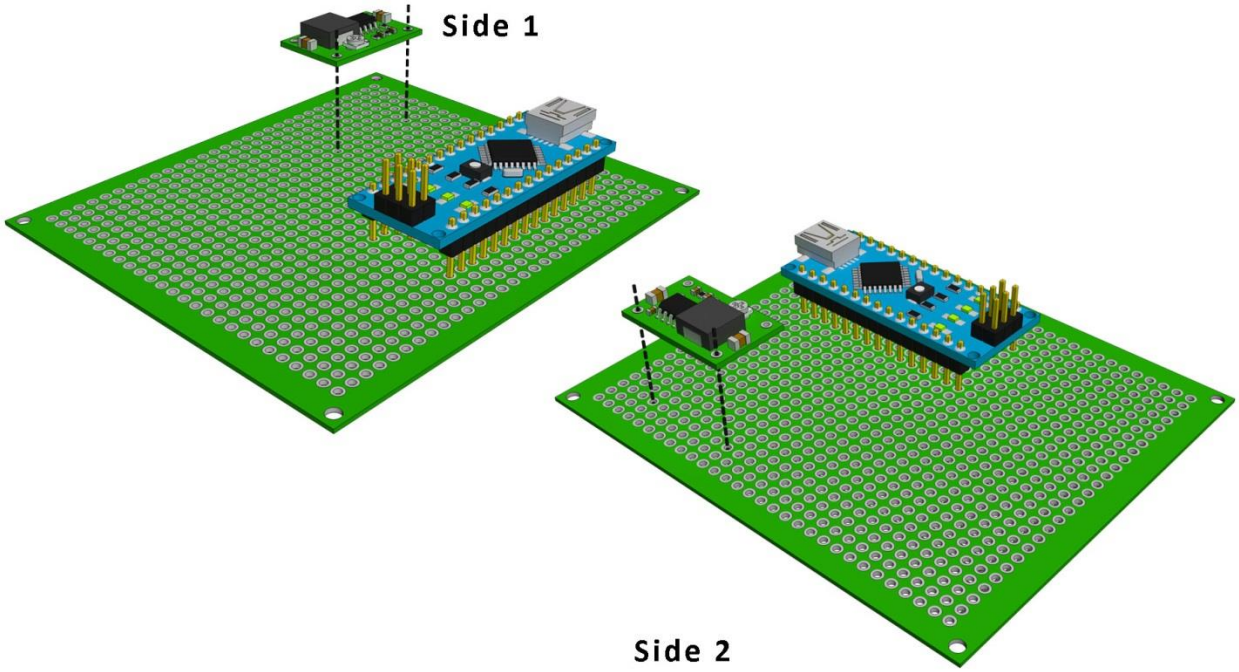
Step 1 is to add the **Mini USB Nano.** All the steps will be presented in 3D images. The dotted lines will show where the pins will be inserted into the board.



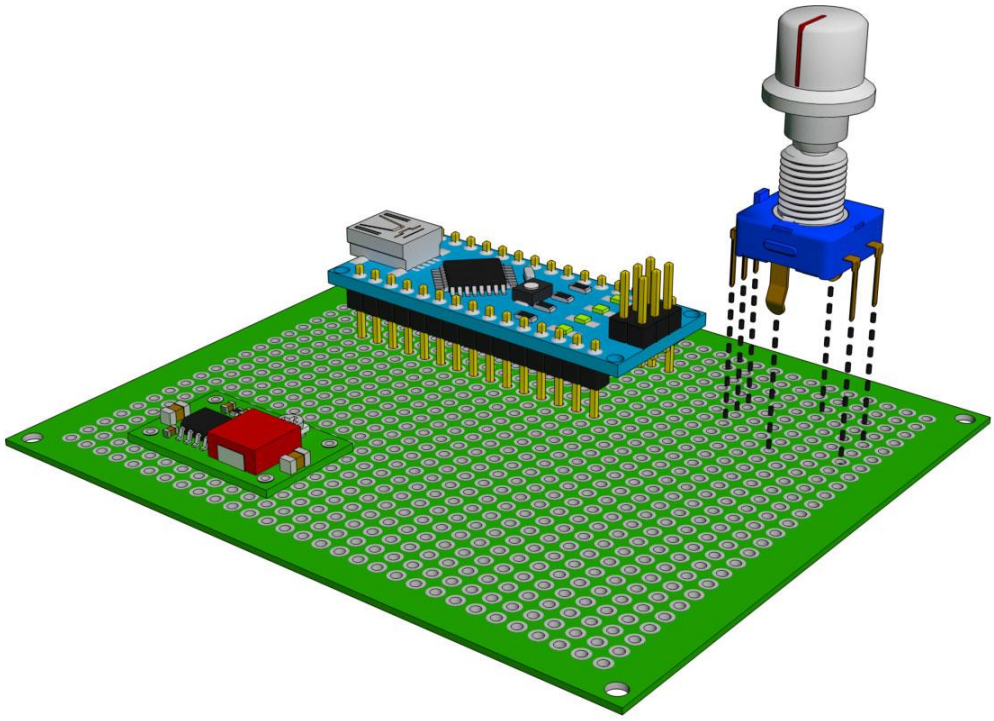
Step 2 is to add the Super Mini DCDC Converter Step Down Module onto the board. But first you will need to solder a strip of cooper wire on every corner.



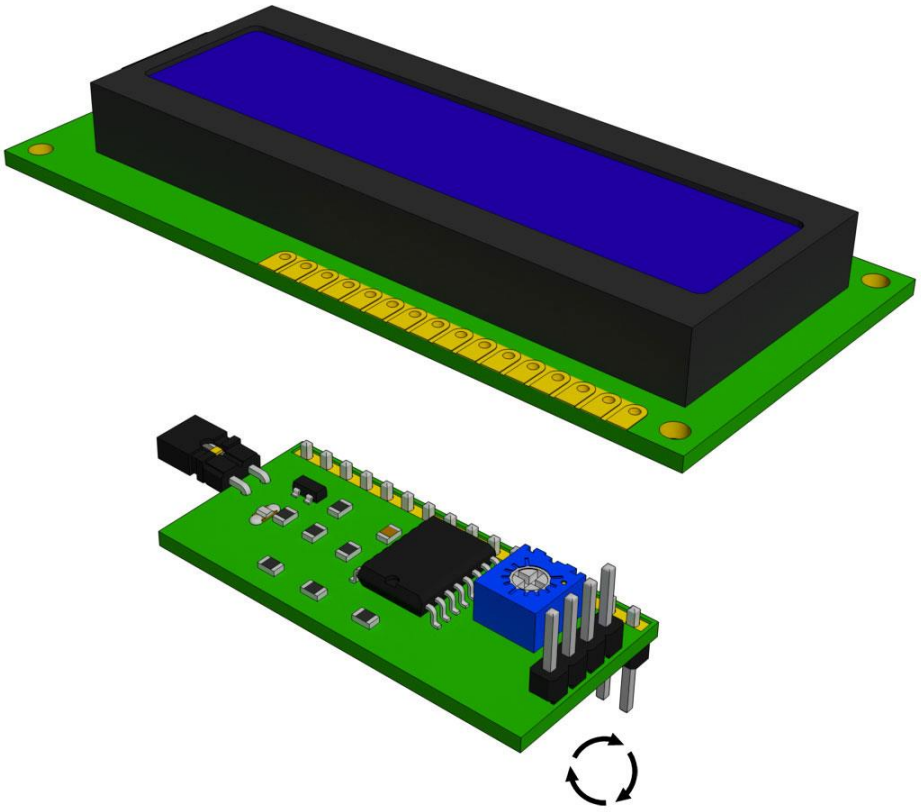
After this process, add it to the board.



In Step 3, we will add Rotary encoder switch to the board. For two pins you will need to make holes in the board (for this process please see below)

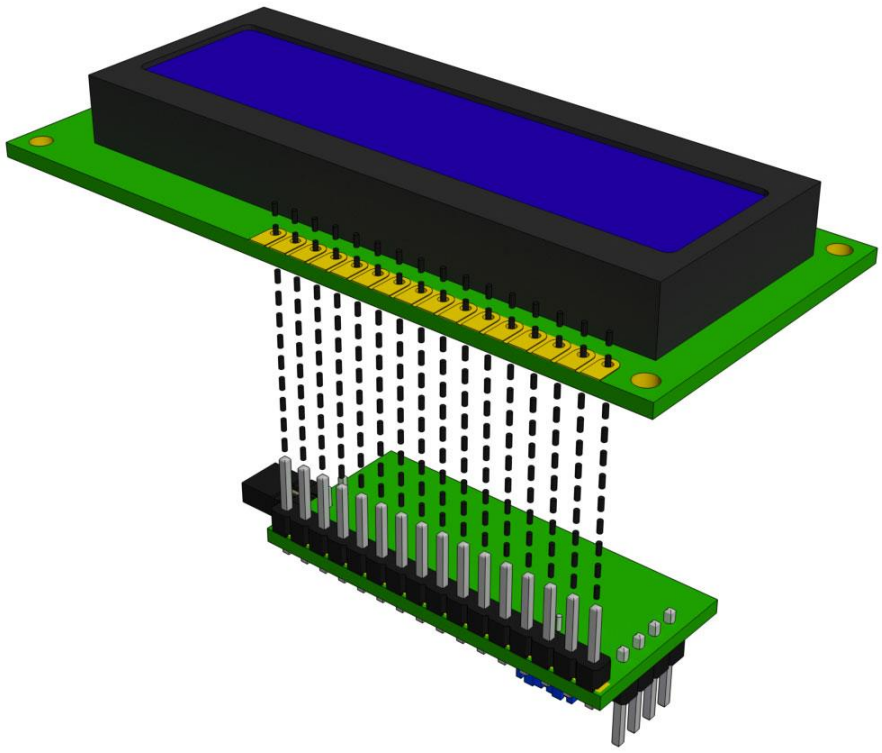


Step 4 is to add the LED Screen on the board. This comes as two pieces. First you will have to put them together.

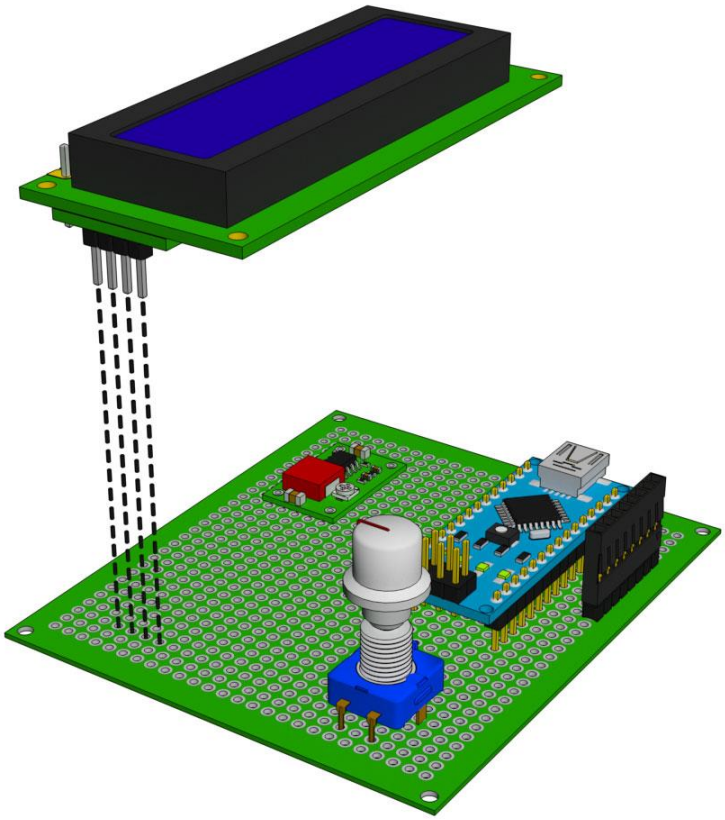


First rotate the bottom part to **180 degrees.**

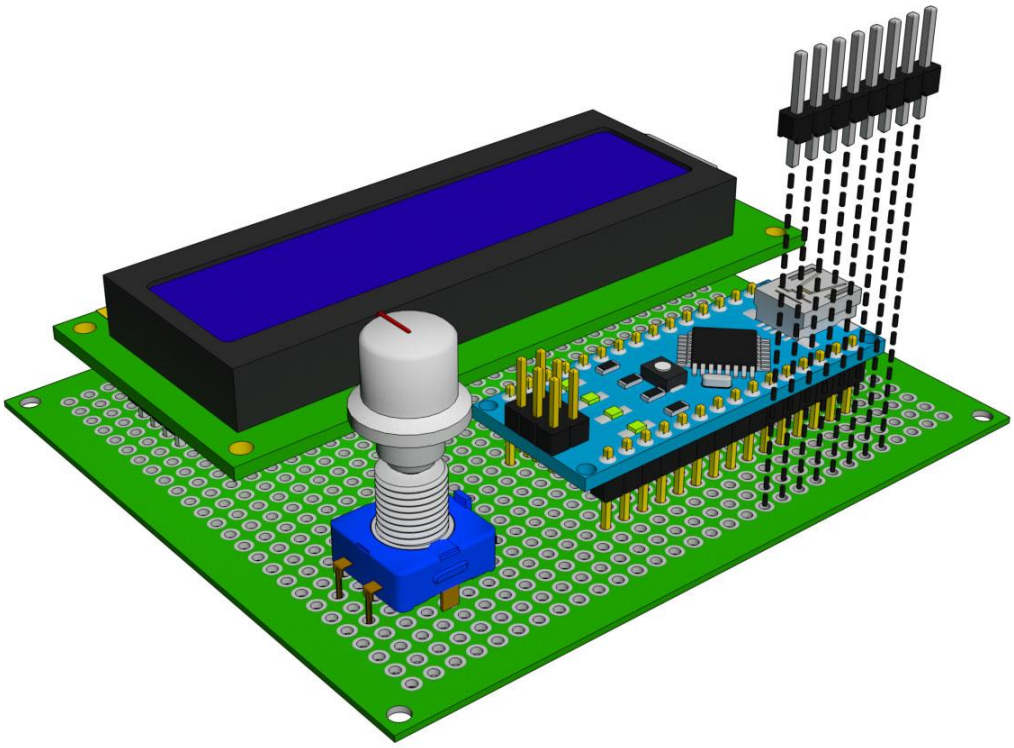
After this match the bottom piece pins with the screen piece.



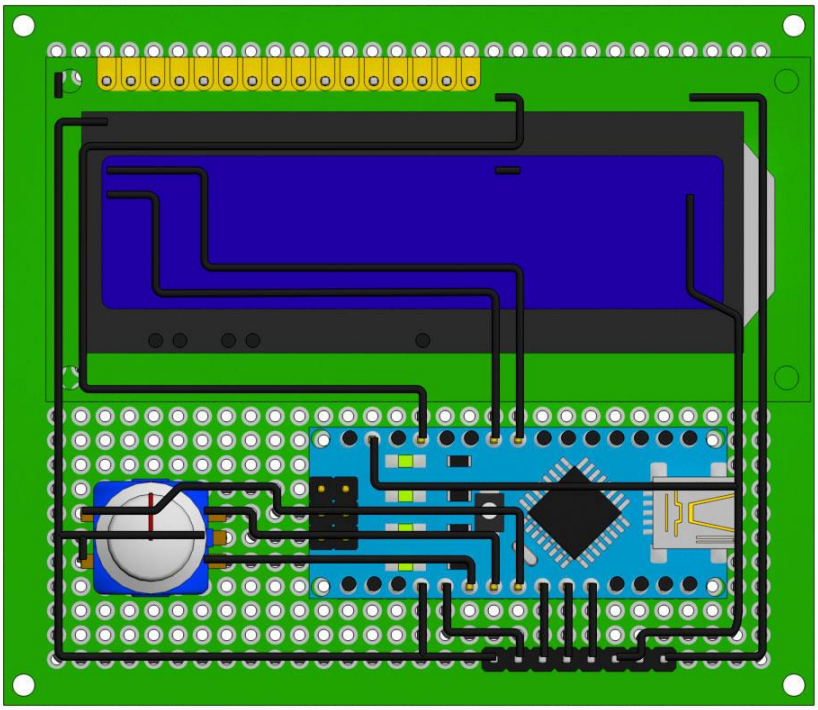
Next add it to the board.



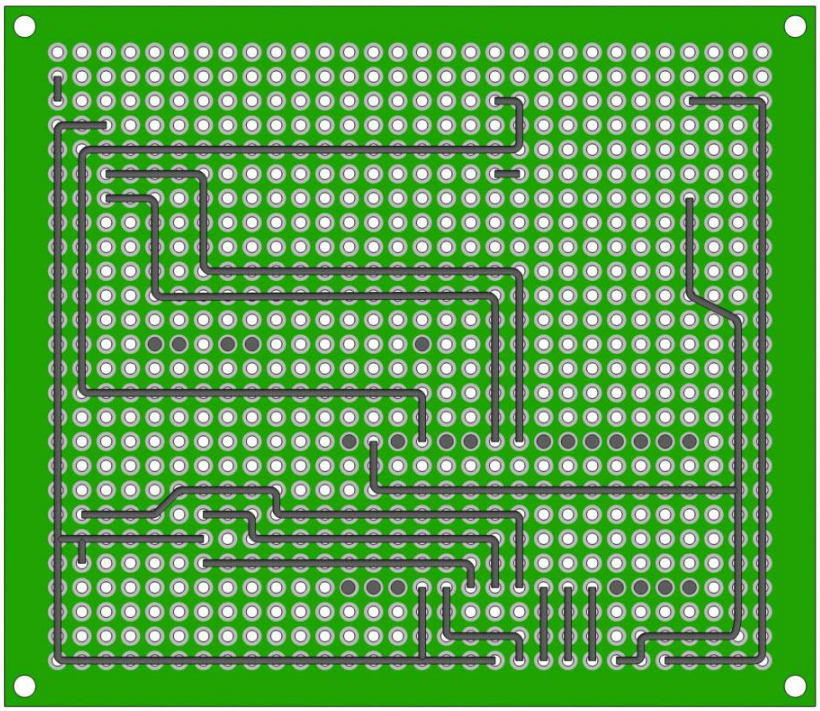
Step 5 Add the connection pins on the board.



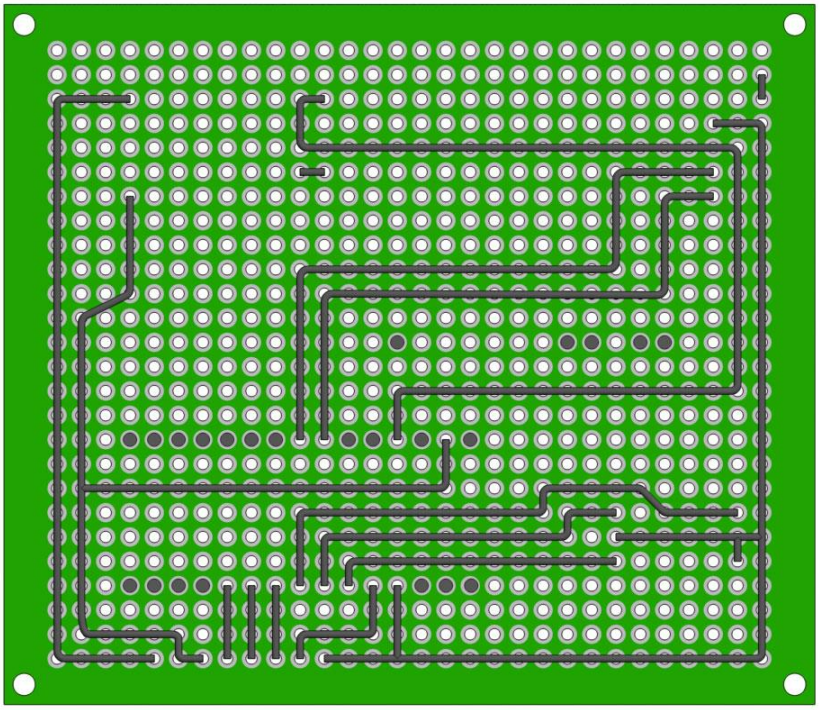
The final step is to make the connections between all the pieces you placed on the PCB board. This step will be made on the bottom of the board. Here's a diagram:



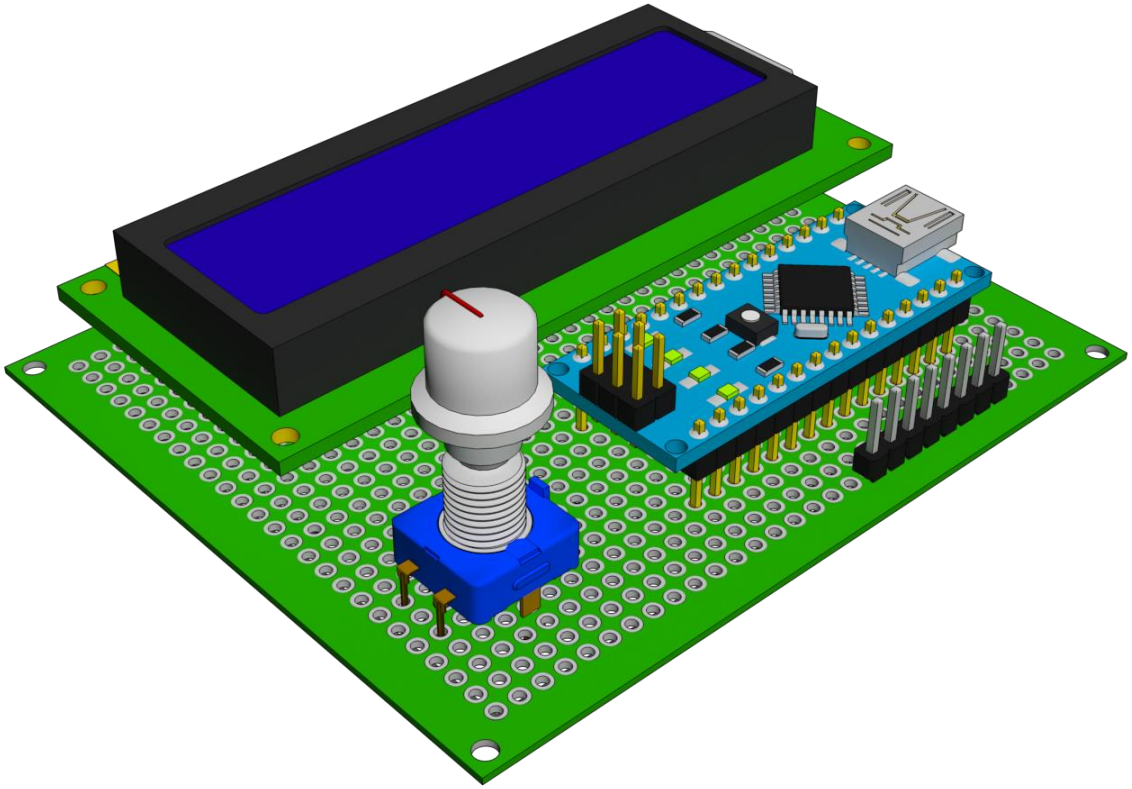
Here are the connections again:



Here's a bottom view:



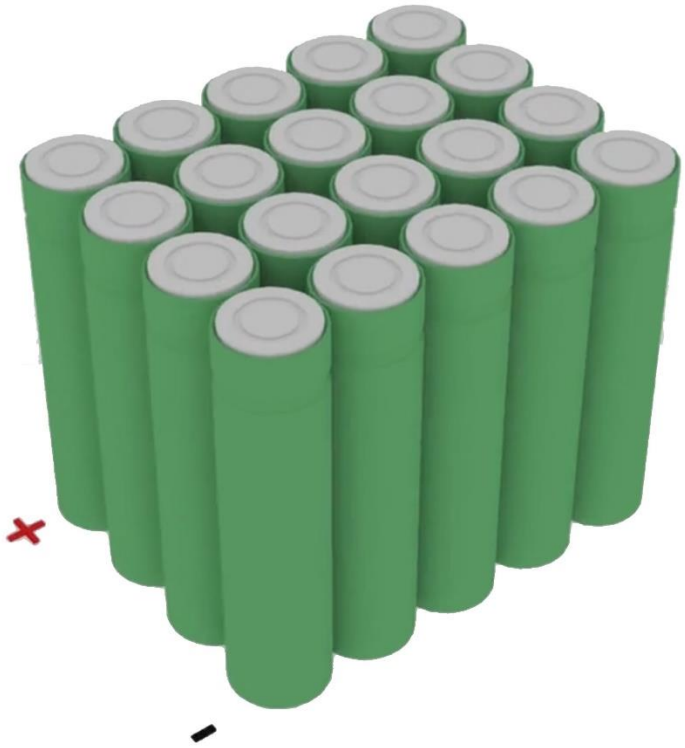
Here is the whole assembly:



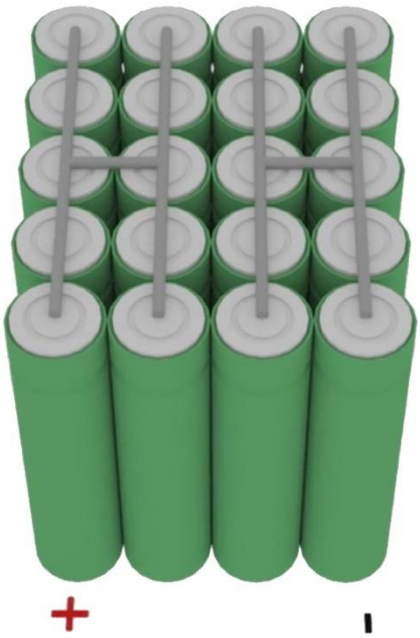
You are now ready to move to the next step.

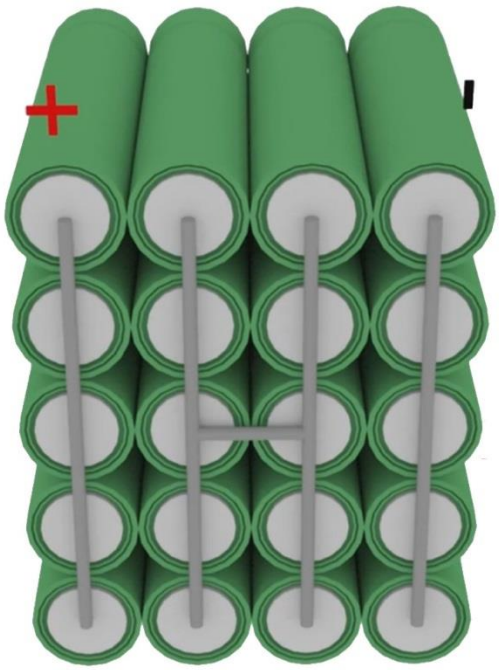
Making the Battery Pack:

First arrange the cells like in the image bellow. **4 rows with 5 pieces, one row up, and the other upside down.**



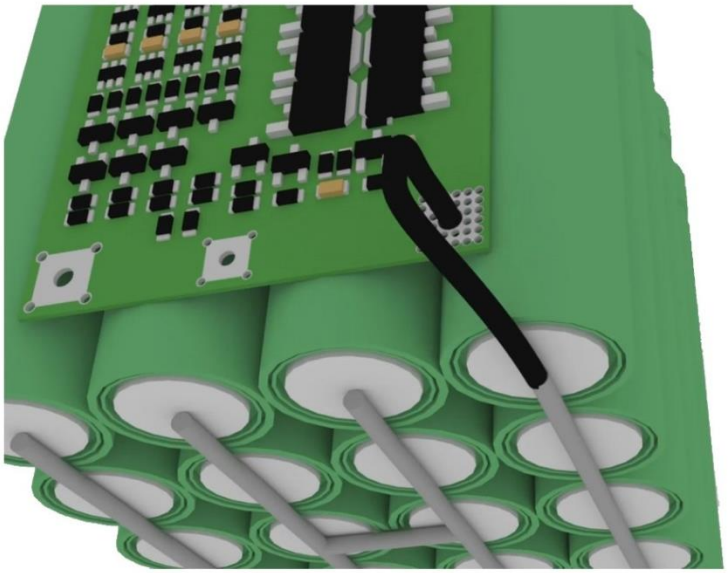
After this **weld the cells** as you see in the images below:

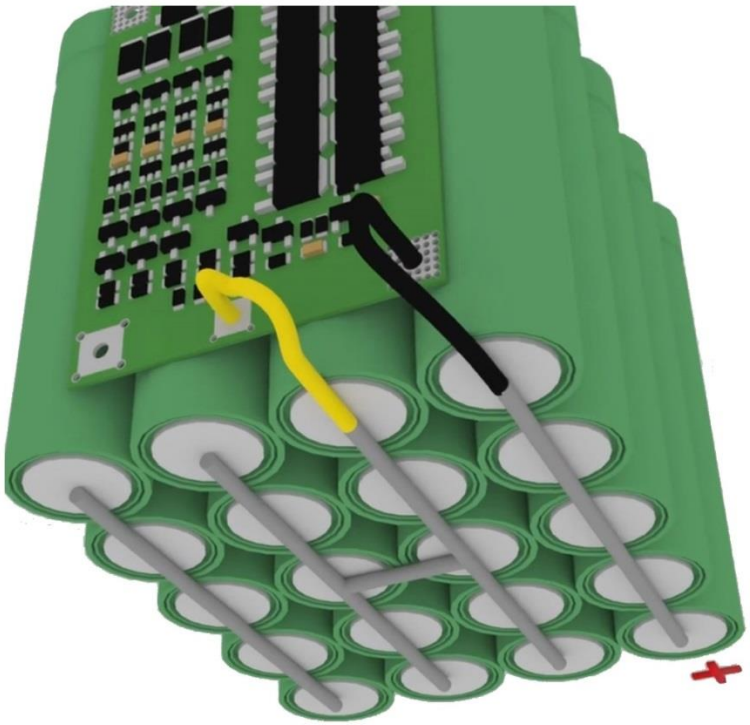


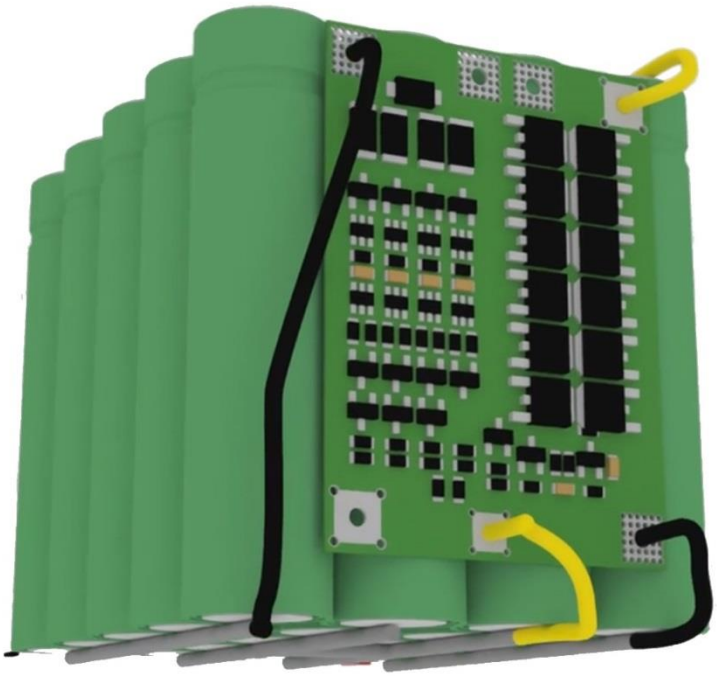


Attach the BMS PCB (Battery Management System) to the cell pack.

After this you will have to make the connections. Follow the images below.



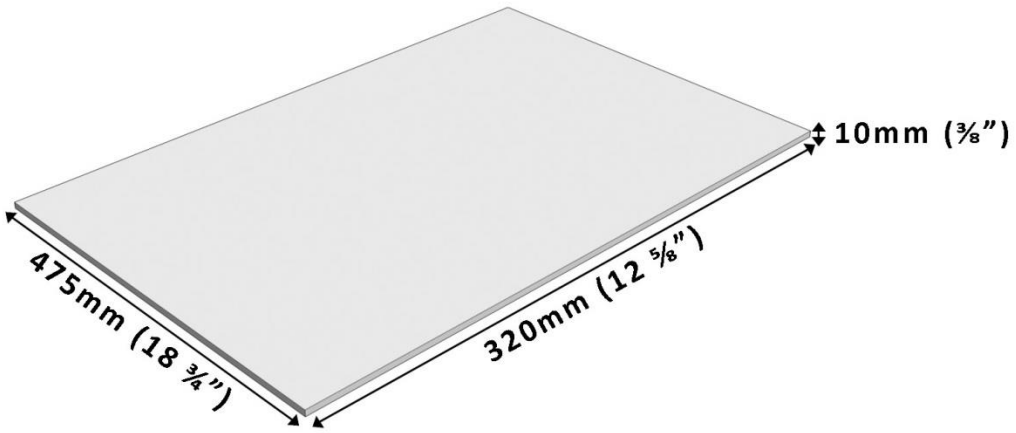




After you have finished, **cover it with insulating tape.**

Putting Together the Device:

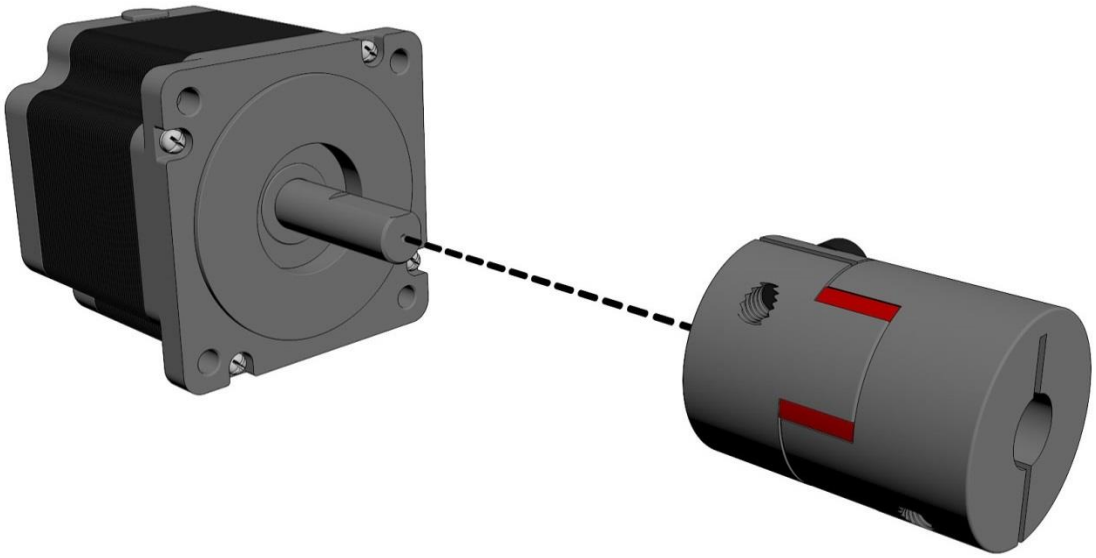
First you will need a **wooden, or PVC base.** Here are the suggested dimensions.



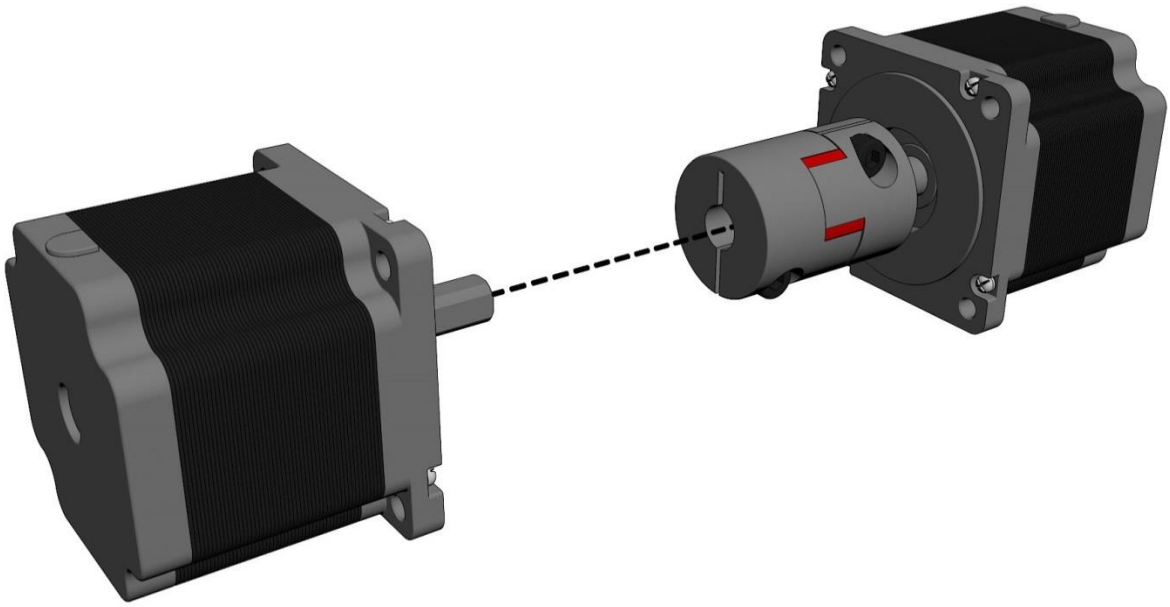
The first part to be positioned on the base will be the motors.

Before that we will need to connect them together.

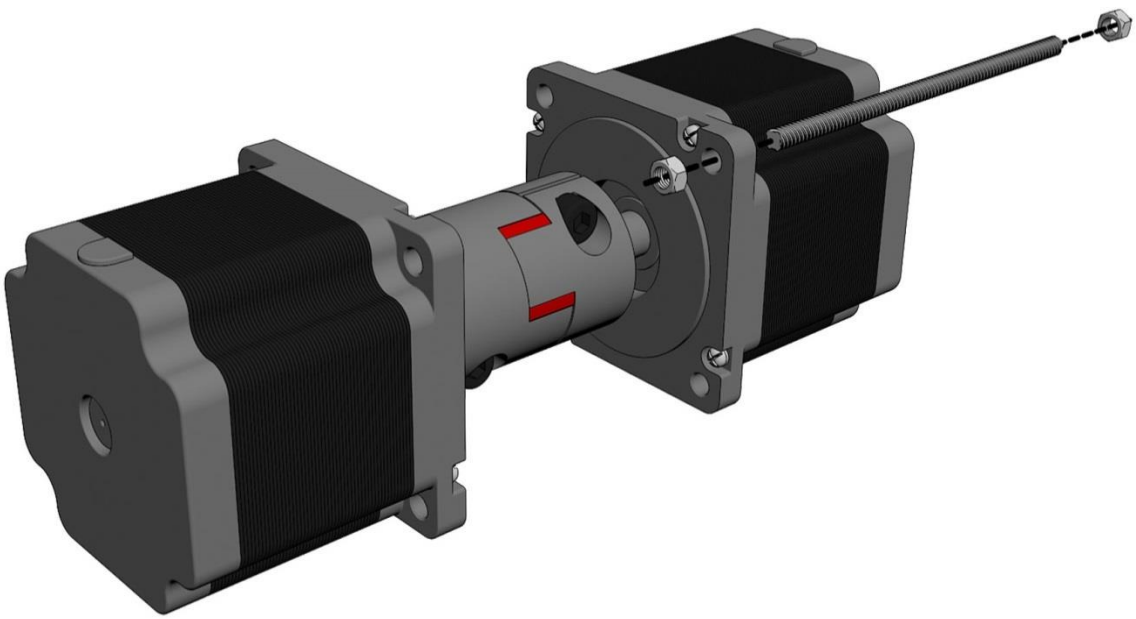
First attach the coupling to the first one.

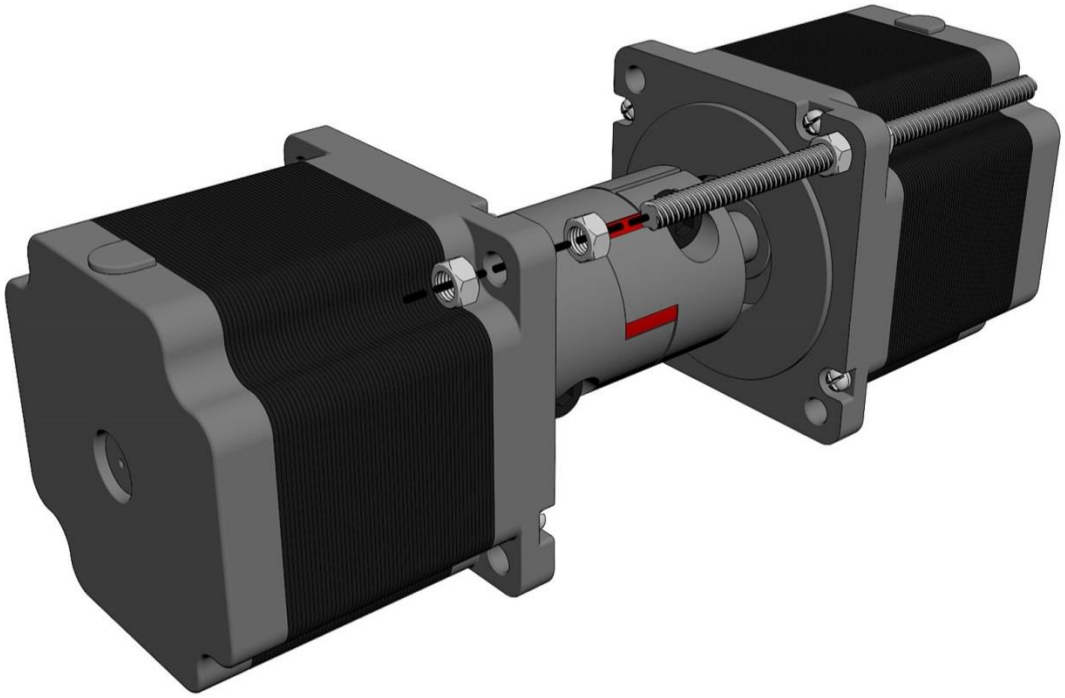


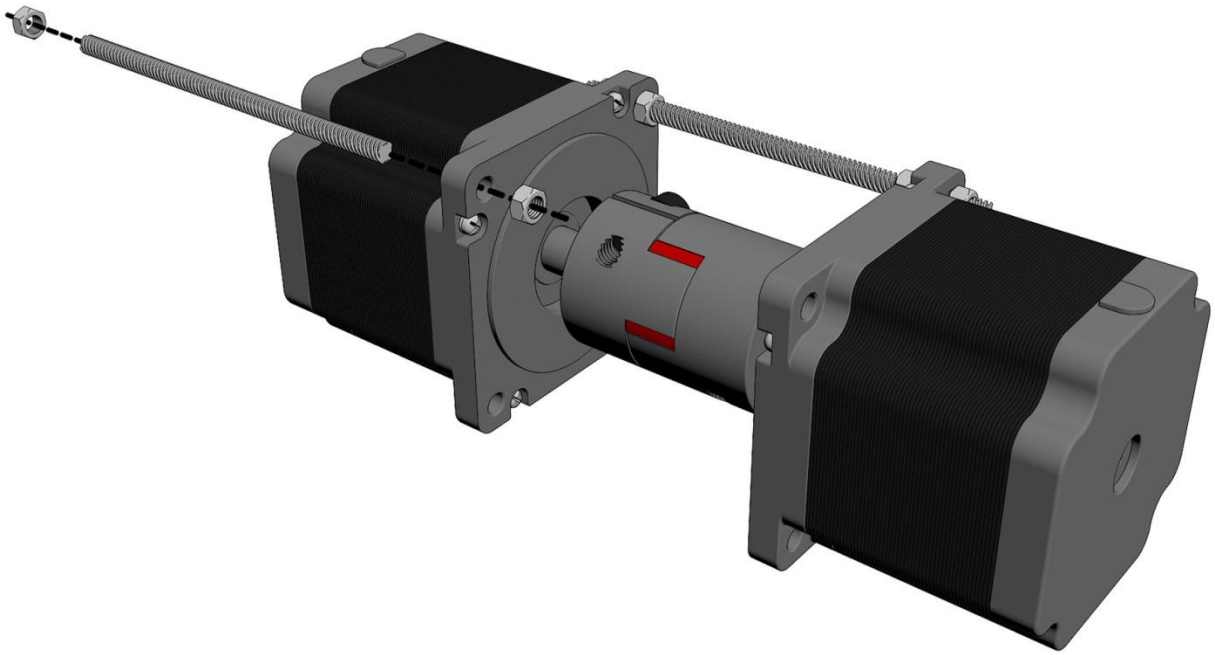
After the coupling is attached to the first motor, attach the second motor on the other side of the coupling.

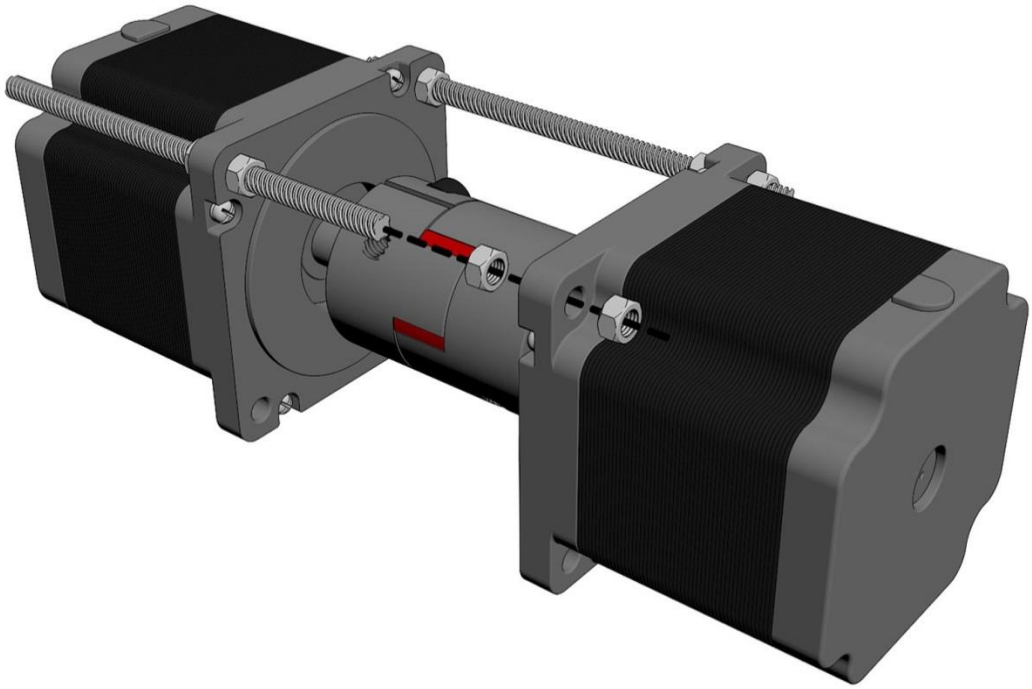


To fix them together, we will add a threaded rod through the corner holes, and fix them in place with nuts.

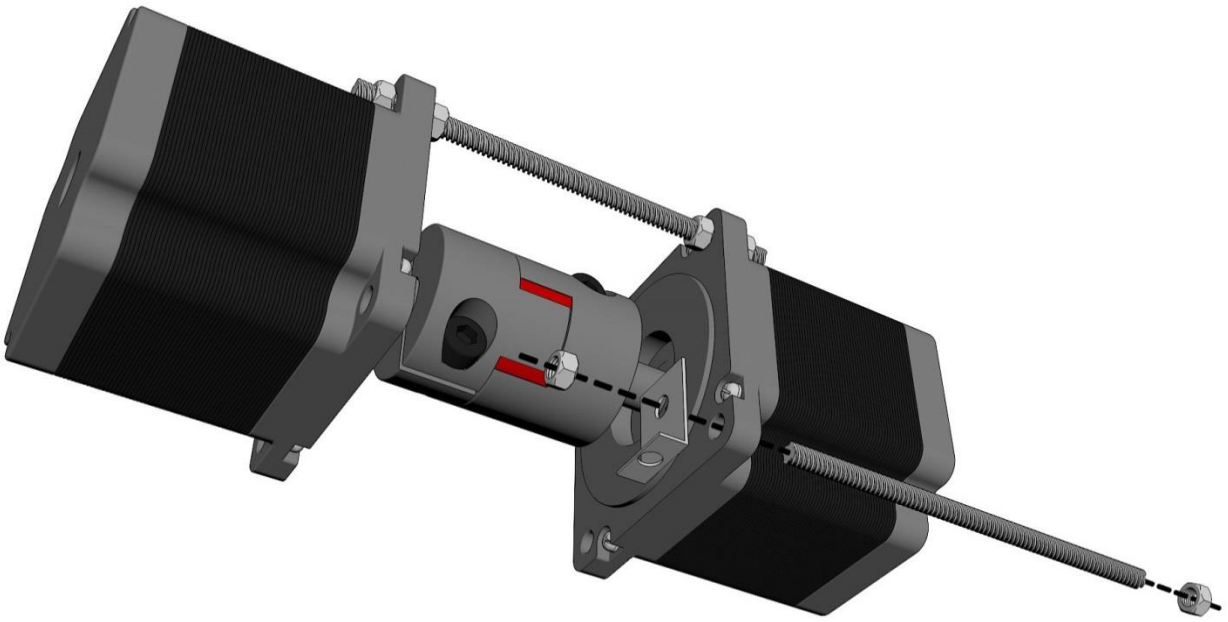


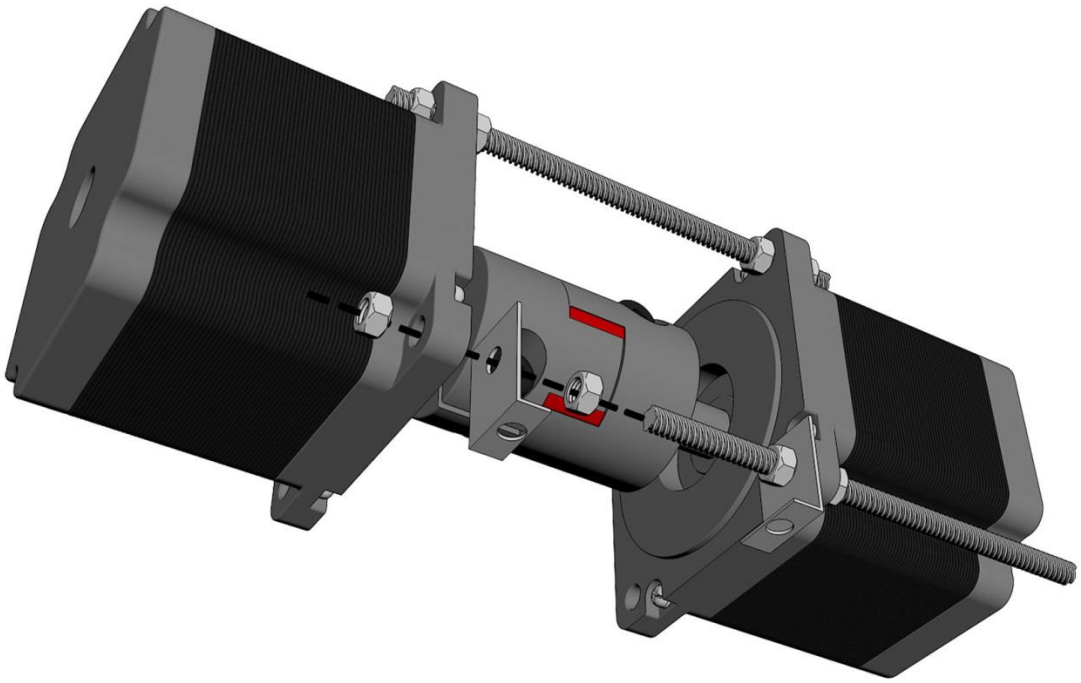


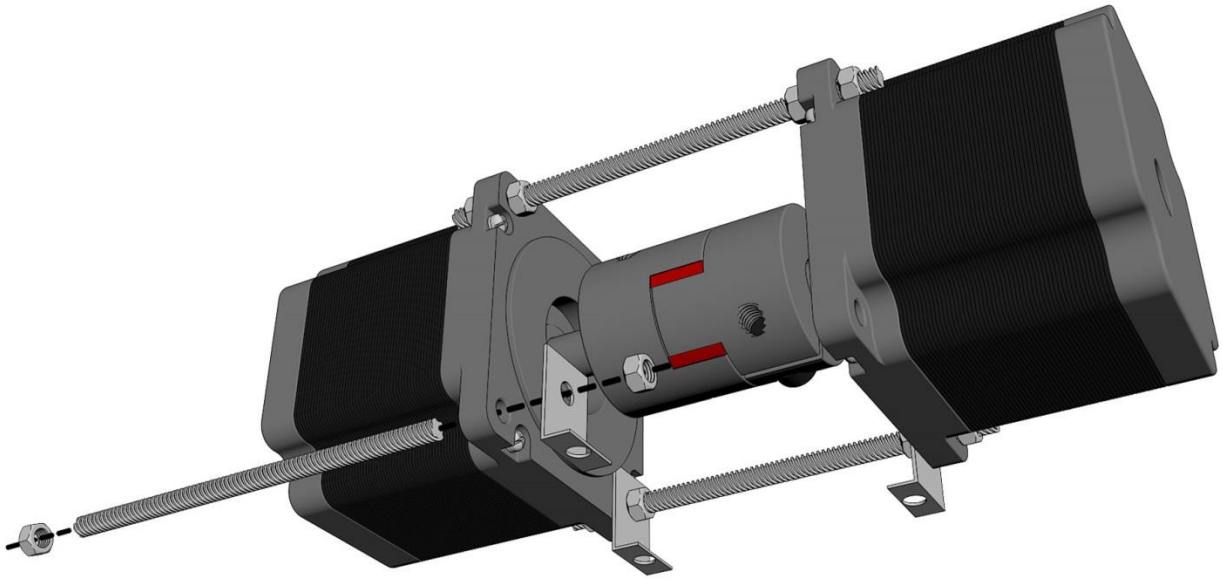


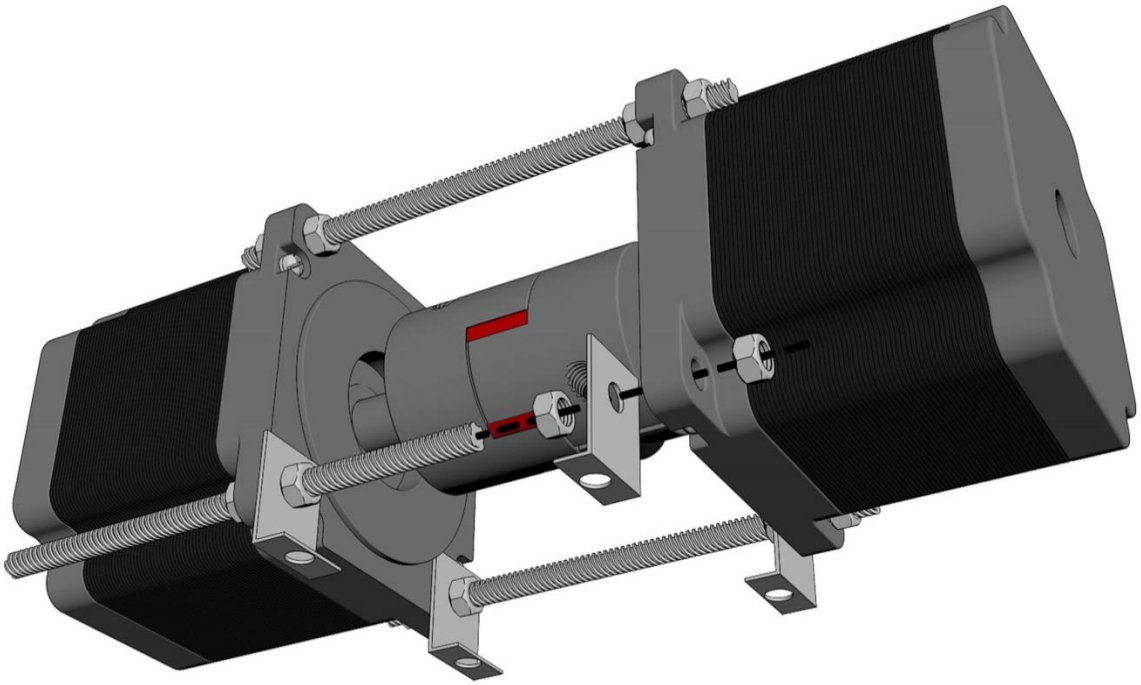


On the bottom side you will need to add **4 L-shaped profiles.**

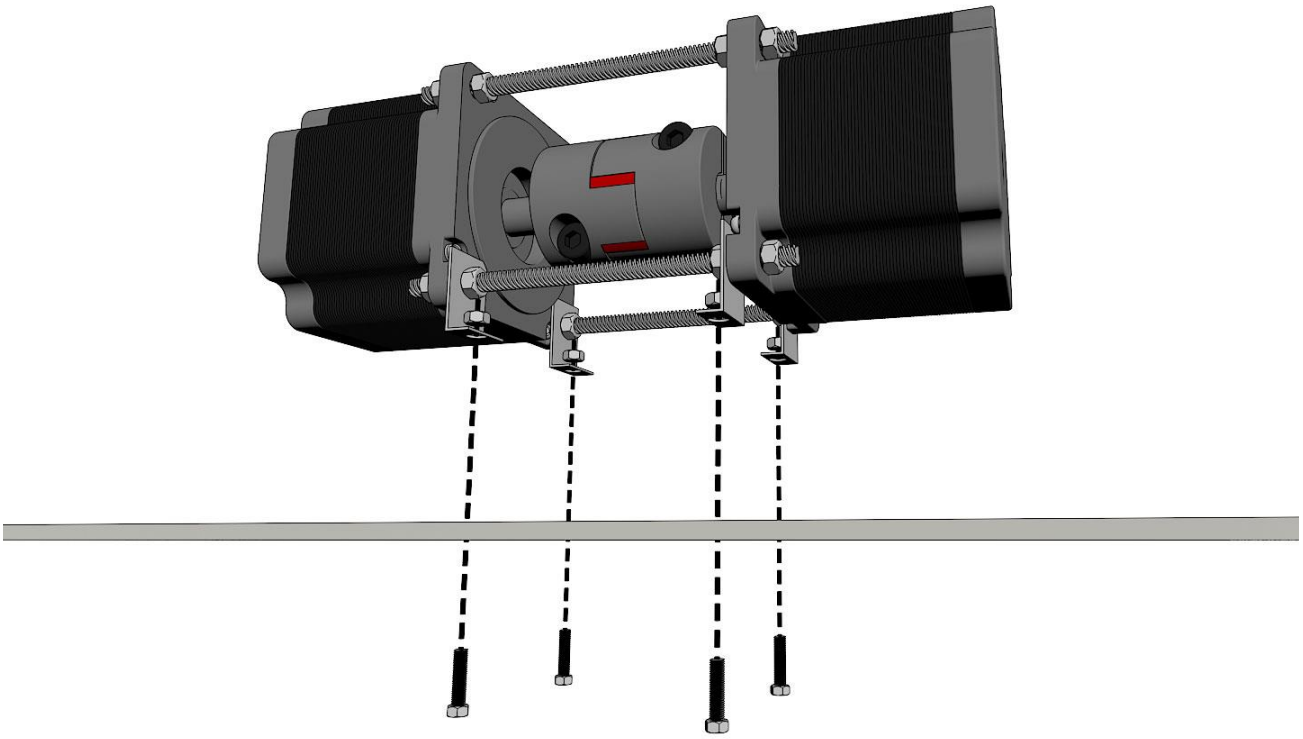




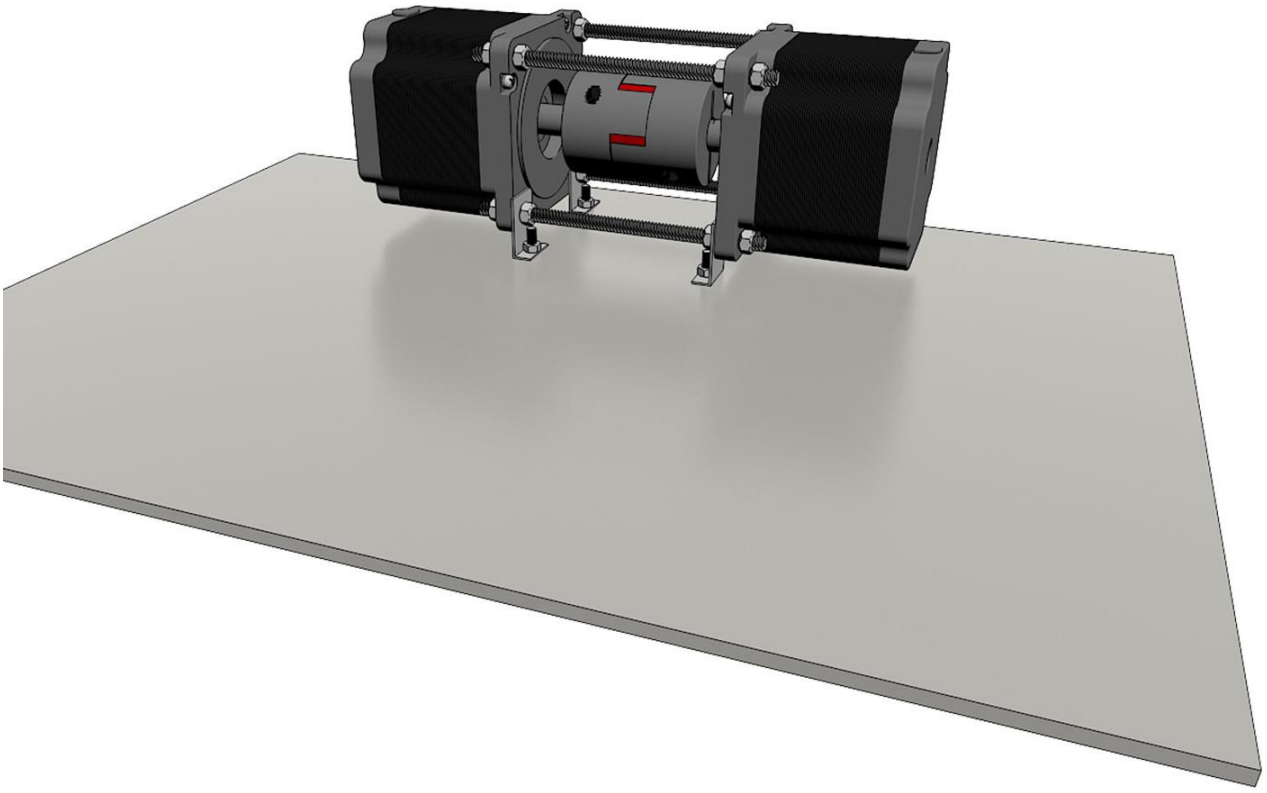




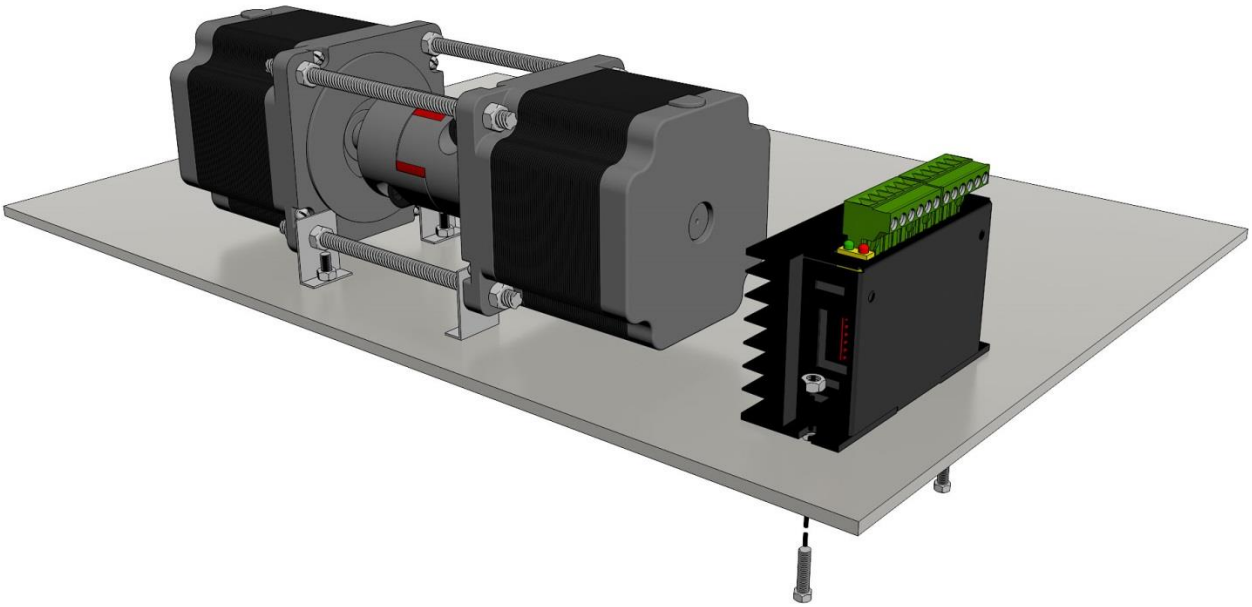
Now place the motors assembly on the base. To fix it in place, you have to use **bolts and nuts.**

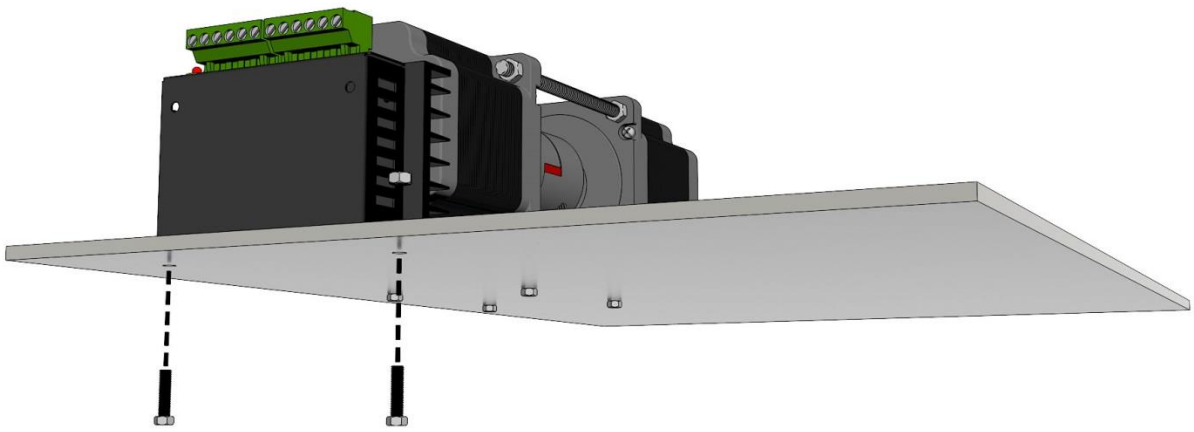


This is what you should have so far.

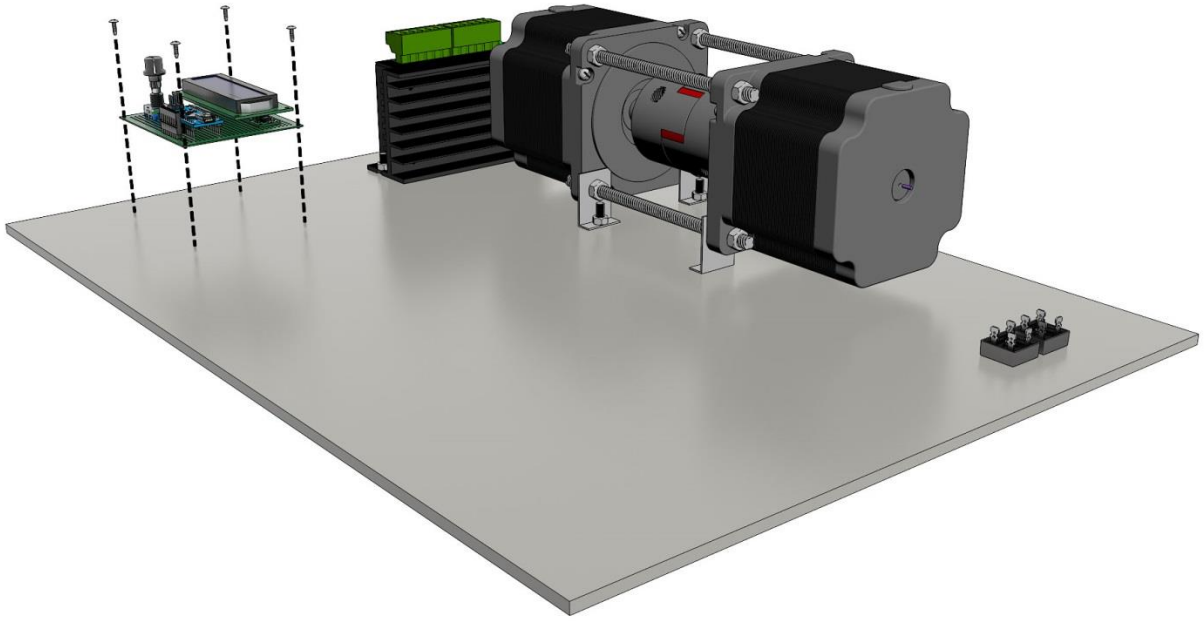


The next part that goes on the base is the **driver stepper motor.** Fix it in place using **bolts and nuts.**

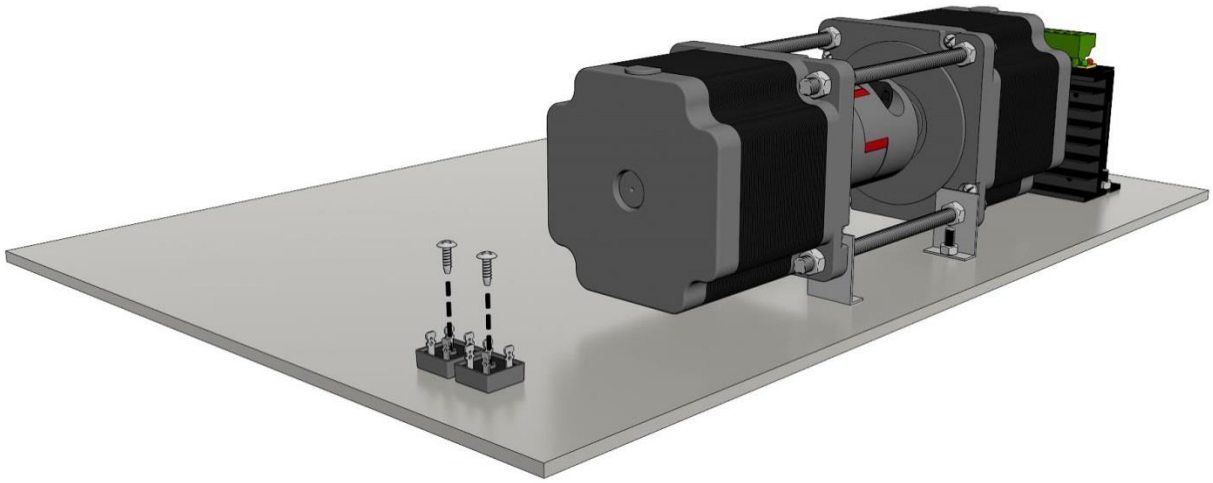




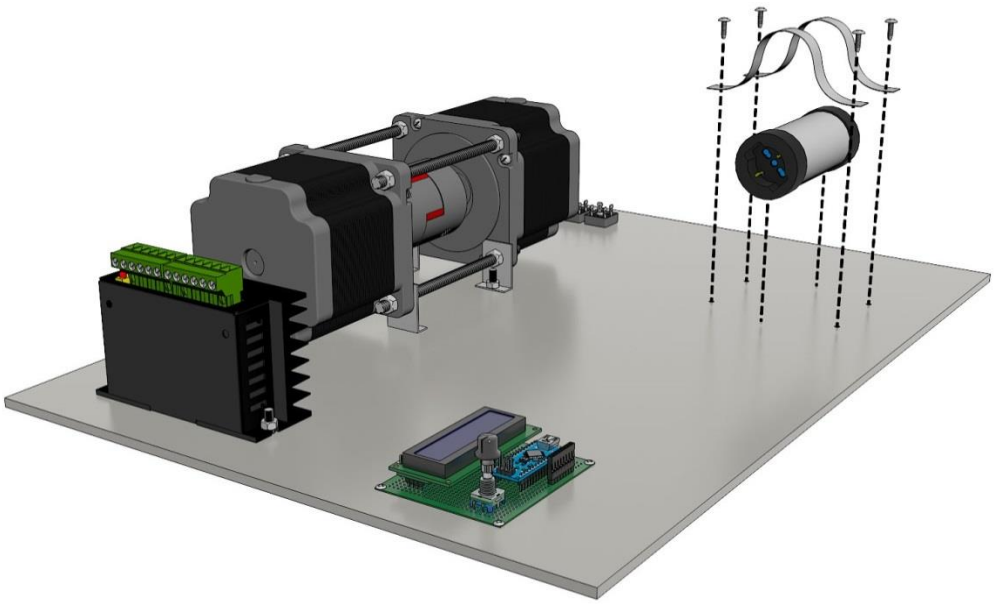
The next part is the **software module.** To fix it in place use **self-tapping screws.**



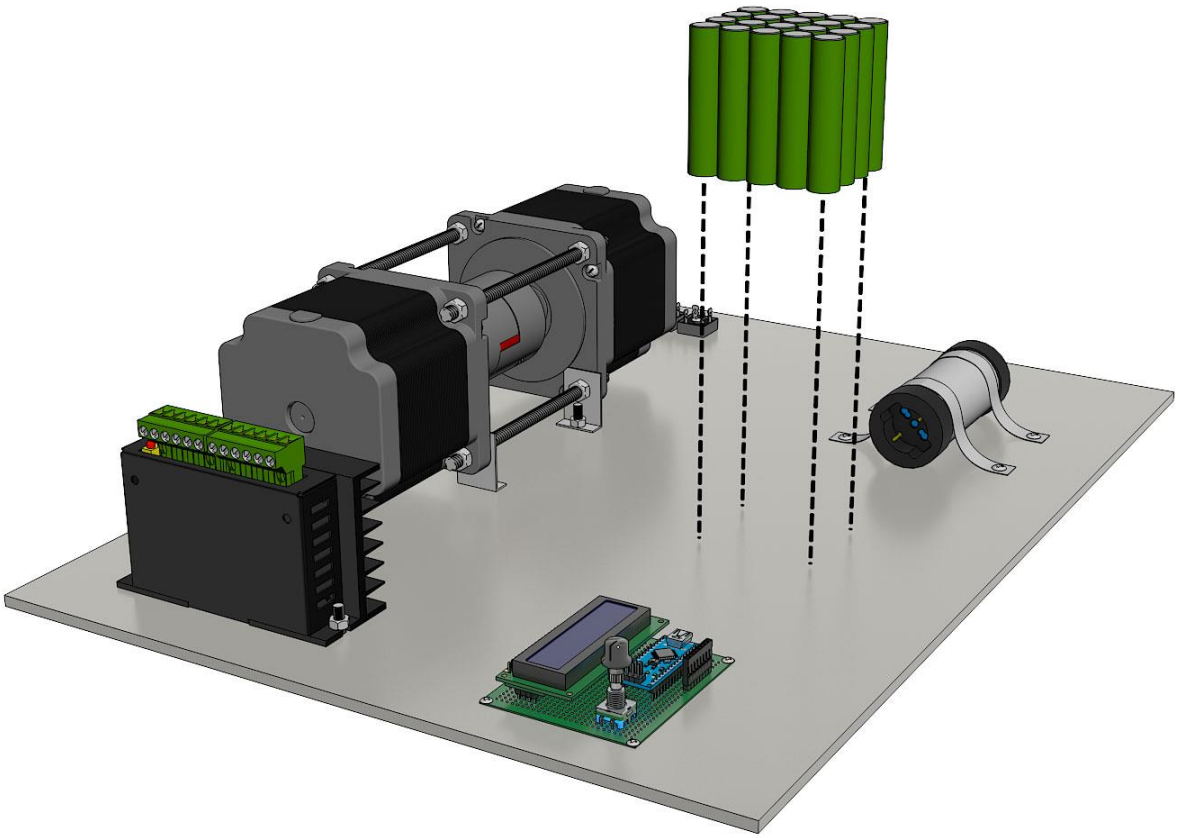
The next parts are 2 Single Phases Diodes. Use self-tapping screws.



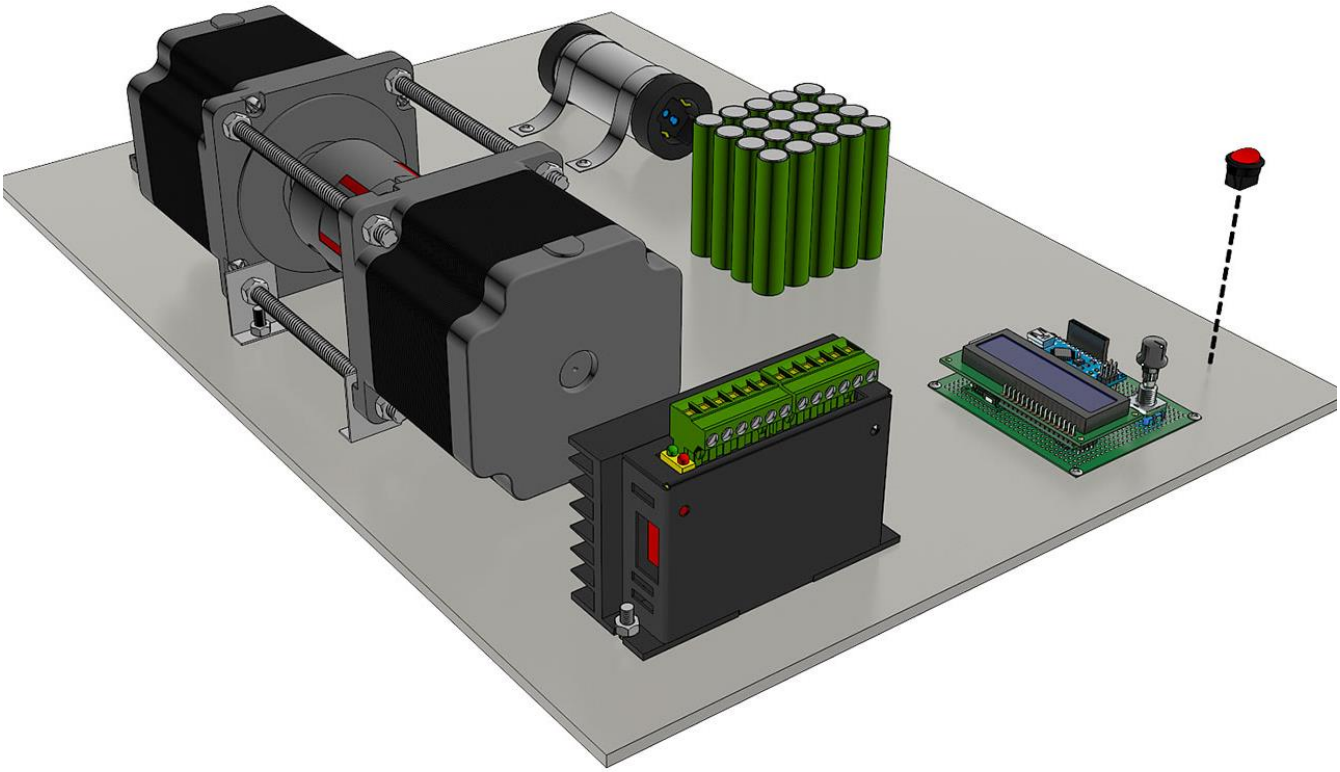
Next fix the power inverter.



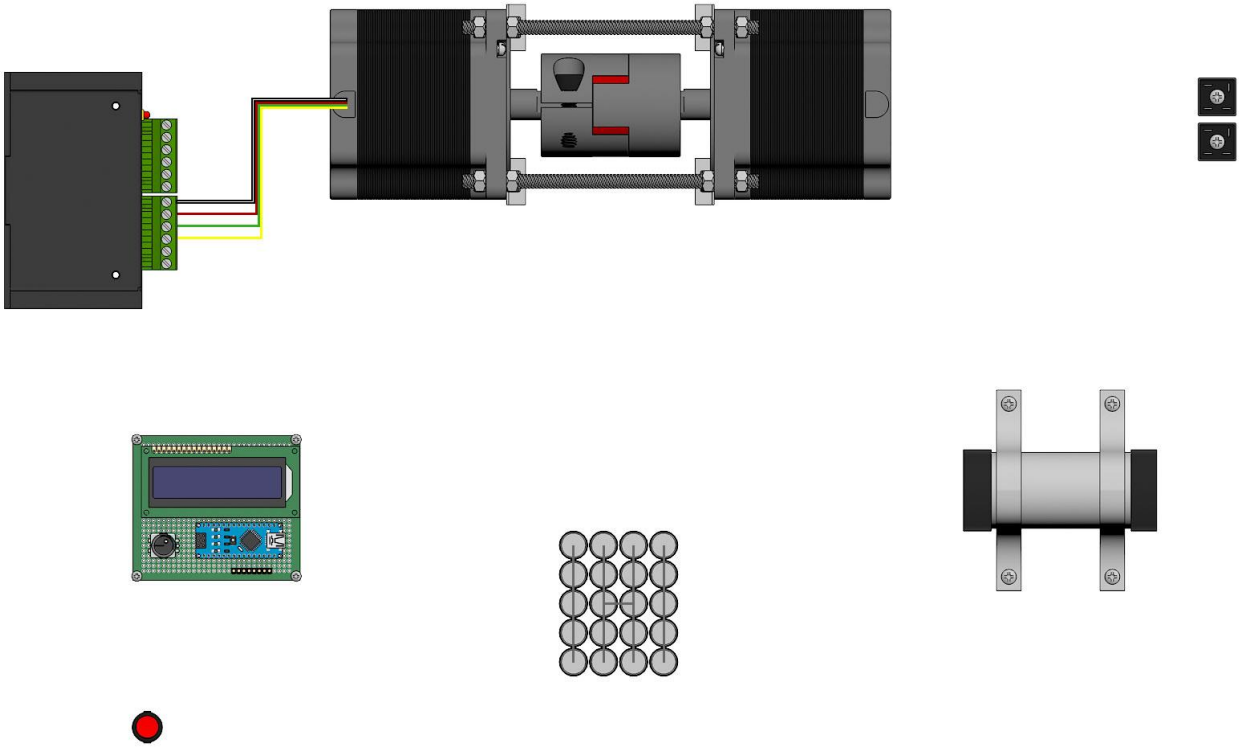
The next step is **to add the battery bank.**

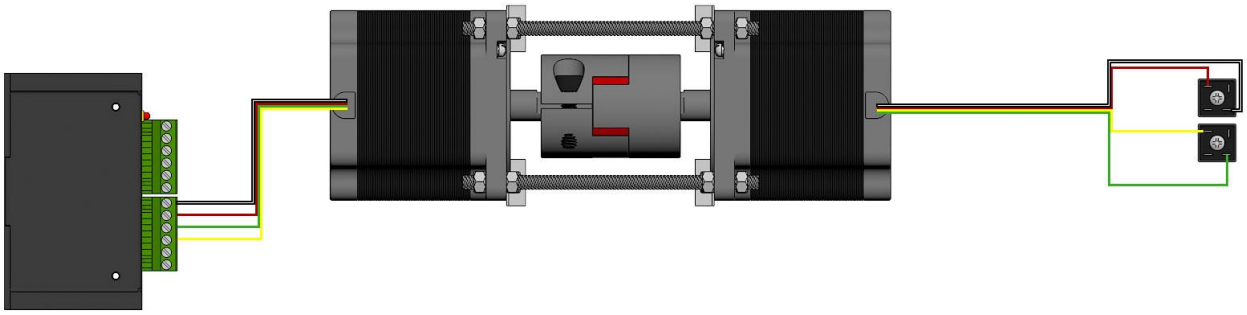


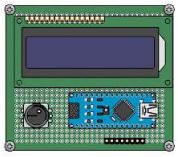
And the last part is to fix a power button/switch.

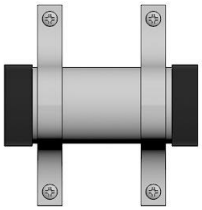


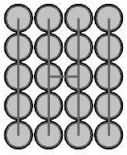
Connections Diagrams:

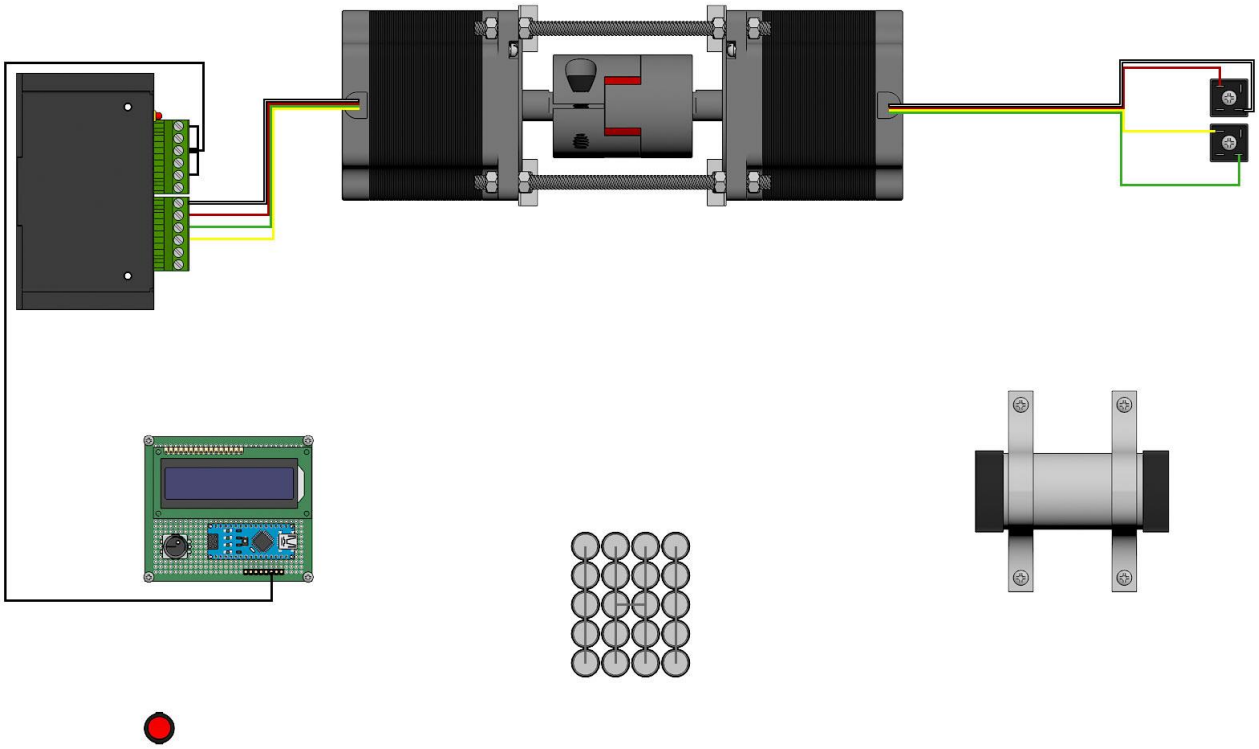


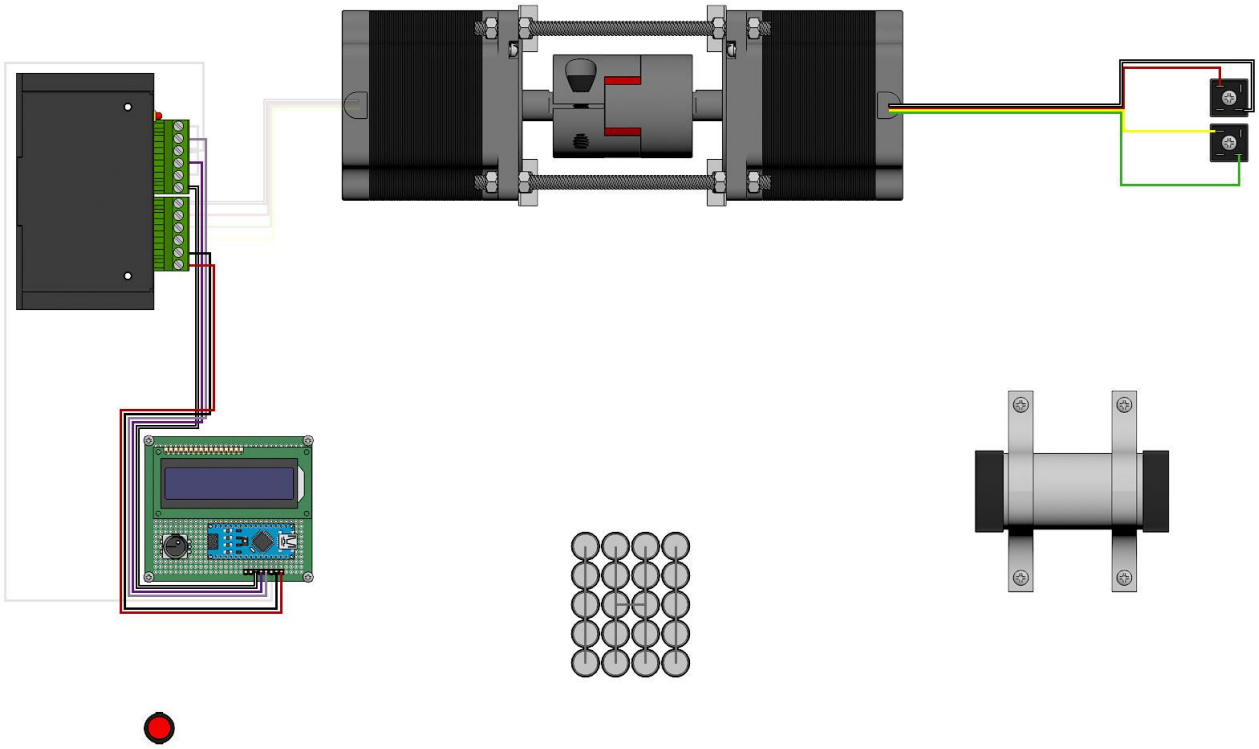


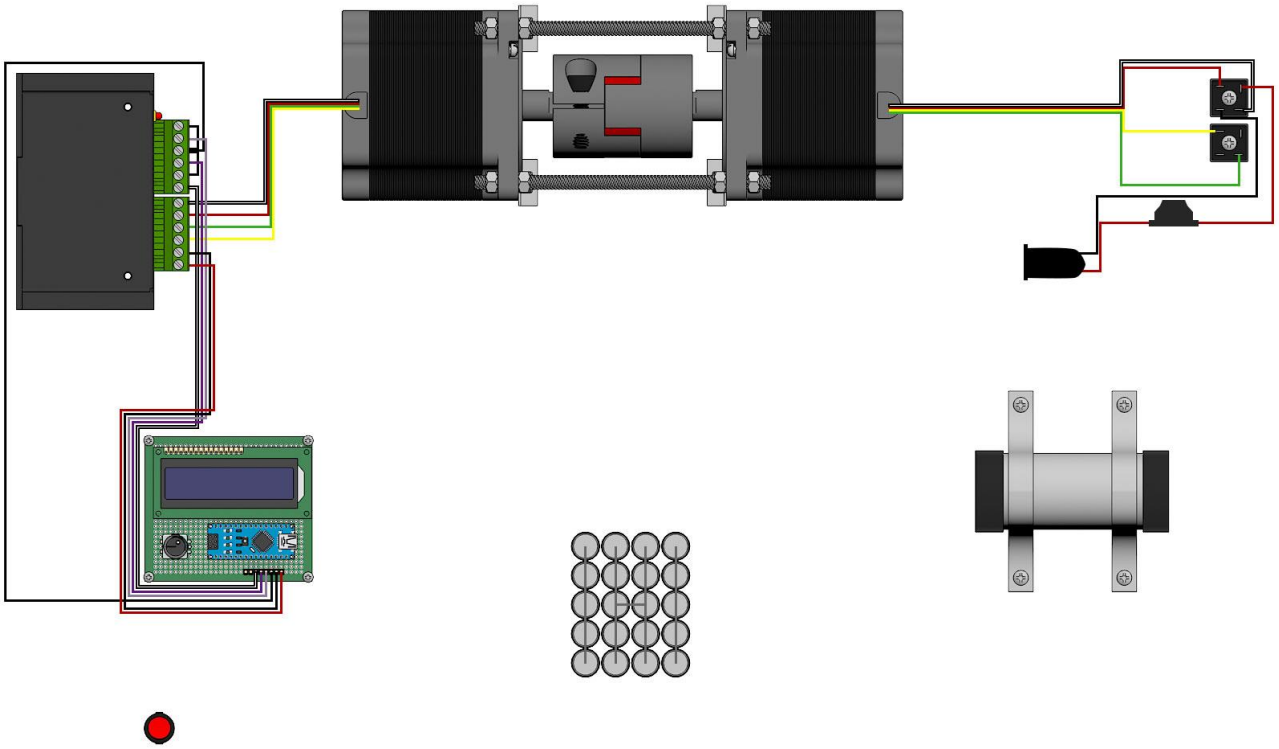


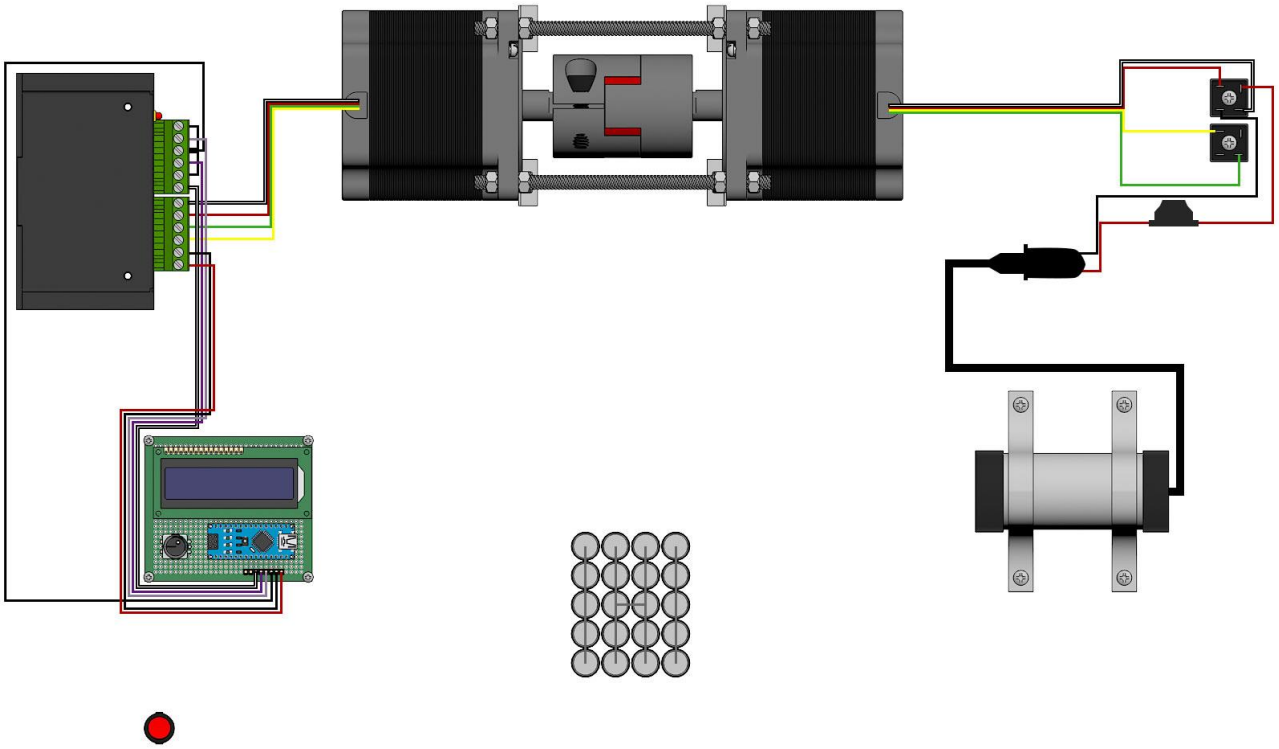


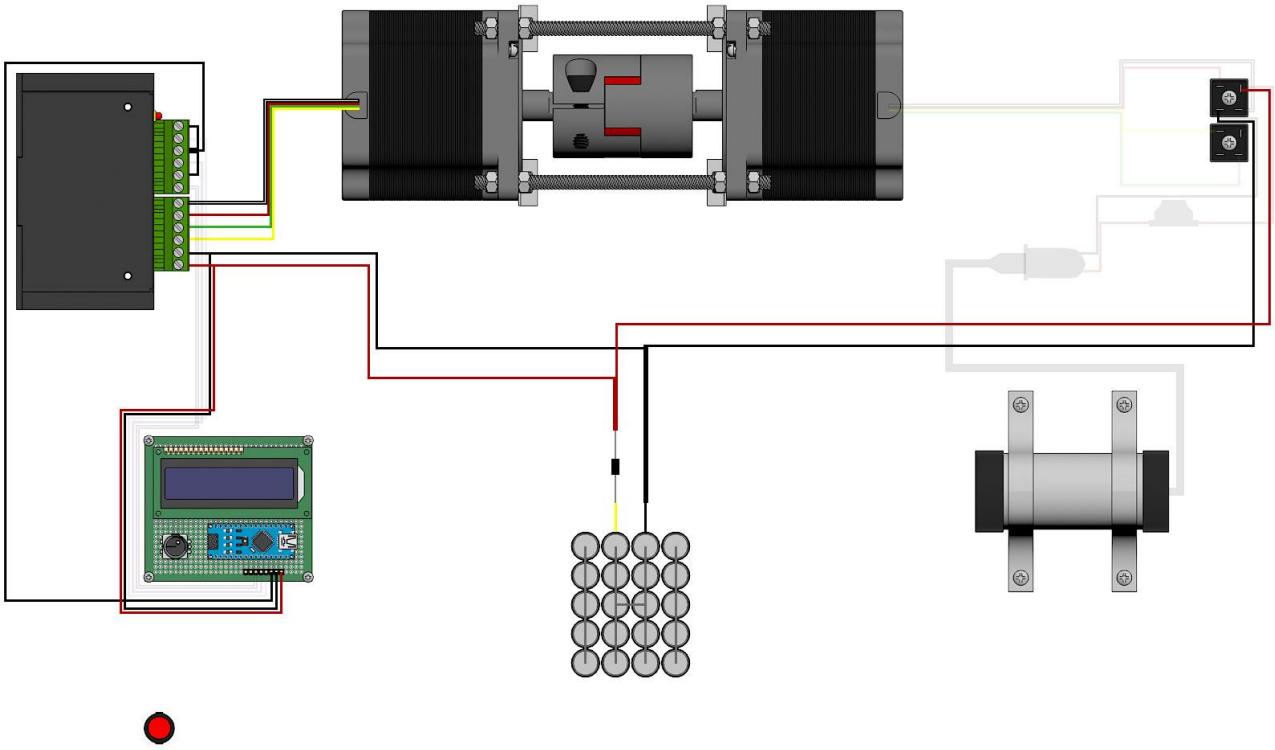


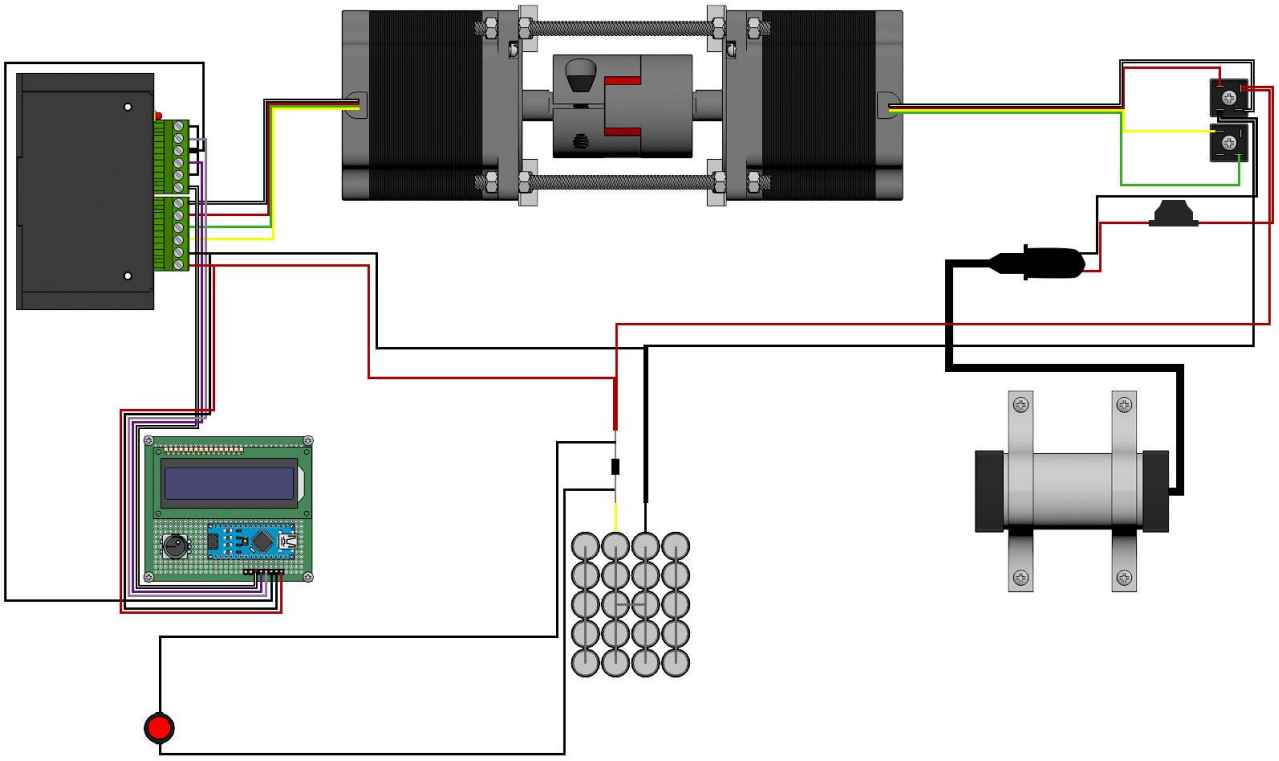












There you have it. Your **Infinite Energy System** is READY!

Please read the warnings and disclaimers below!

WARNING!!!

Build these projects at your own risk! We are not responsible for errors in the plans, diagrams, or instructions and other people's opinions on these projects! Some of these projects deal with very high voltages!!! If you are not familiar with high voltages/amps we recommend that you seek the services of a qualified licensed professional to help you! High voltages can kill in an instant so be safe and learn all that you can about high voltage safety before attempting these projects!

WARNING: This device is electric hazard. That's why all contacts must be properly isolated. BUILD AT YOUR OWN RISK!

Disclaimer: BE CAREFUL, USE EXTREME CAUTION!!! This device uses High Voltage. This experiment is not intended for the inexperienced. Users of this document should be very careful and also experienced in dealing with High-Voltage electronics! If you consider starting this experiment, you BUILD AT YOUR OWN RISK.

CONNECTING YOUR SYSTEM TO YOUR HOME

Once you have your system ready (that we explained in the previous chapter) up and generating electricity, it's time to connect it to your electricity system, which can be done in a variety of ways.

Below you can find some diagrams of the most commonly used setups. Note that the below setups can be used for different power sources, including wind, solar and other sources of energy.

Simple Power Setup

First, keep in mind that batteries always work better in a warm temperature so you might consider buying a battery box. The battery box is great for storage, it keeps things clean and organized; it also keeps children or pets from playing around and getting hurt.

1. OFFGRID SYSTEM
2. Charge Controller
3. Battery
4. Inverter
5. Household

You might consider adding a system meter to act as a go between your battery and inverter. A system meter tells you how much juice the battery has left and how much power is being used at any given time.

Grid-tied Power Source System

If you are still using power from the grid, this kind of system will work the best for you. This system can also be called on-grid-tied. You can actually make the electric meter tick backwards, by producing more power than you use each day. You can actually get a credit from the electric company if the meter starts going backward. Save those credits when the system is off or when more electricity will be needed. This process is known as net metering or net billing. Of course, it's always a good idea to talk to your electric company to find out the rules and regulations.

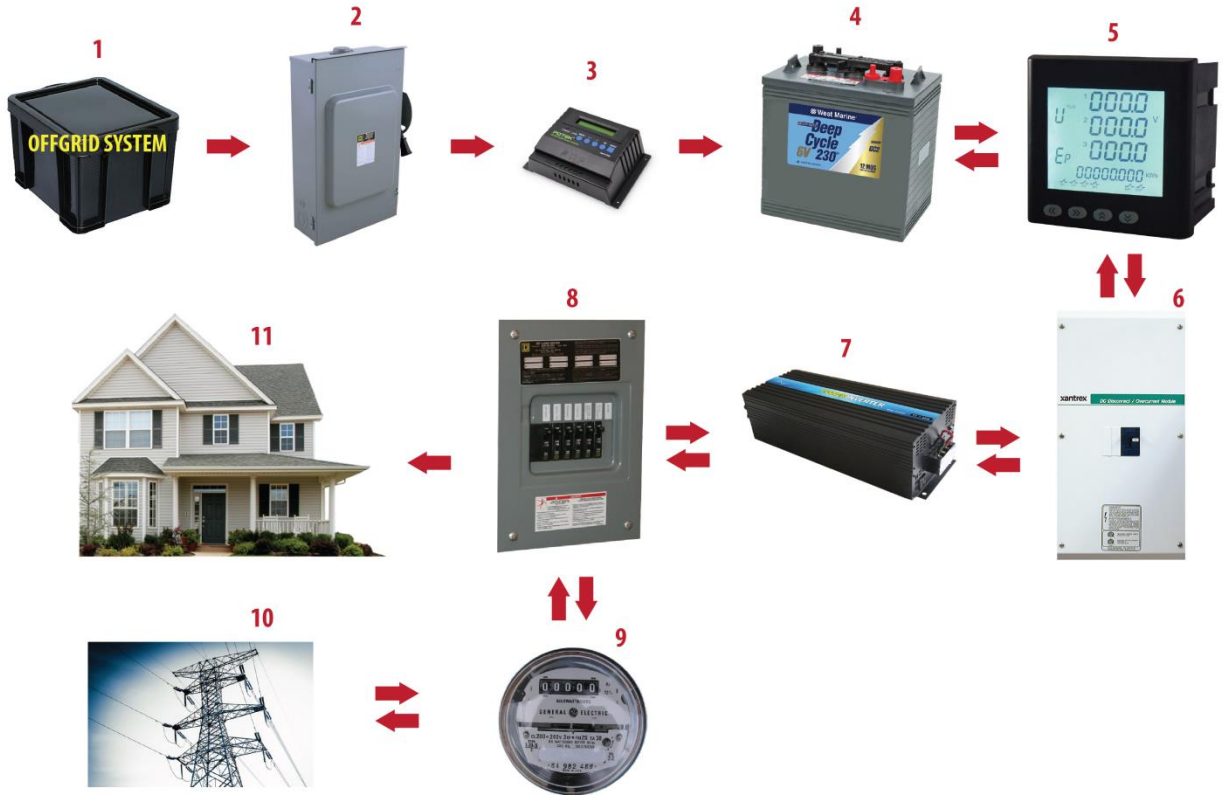
1. OFFGRID SYSTEM
2. Array DC Disconnect
3. Inverter
4. AC Breaker panel
5. Household

6. Kilowatt per hour meter

7. Grid

Grid-tied System With Battery Backup

You may need to rely on a battery backup system in case of down time and maintenance to the power system. The picture below shows the grid inter-tied system with the battery backup.



1. OFFGRID SYSTEM

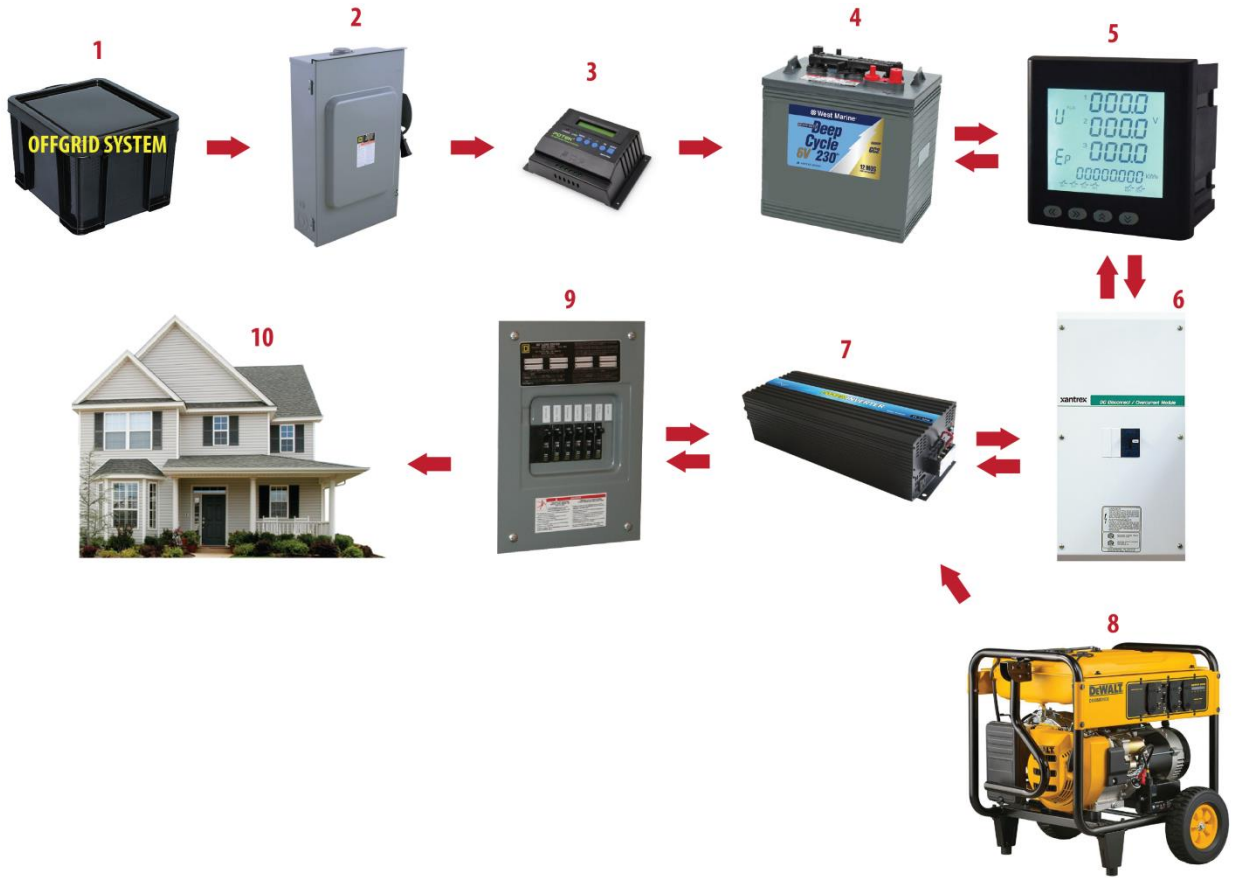
2. Array DC disconnect

3. Charge Controller

4. Deep cycle battery
5. System meter
6. Main DC disconnect
7. Inverter
8. AC Breaker panel
9. Kilowatt per hour meter
10. Grid
11. Household

Off-Grid Power Source System

This system requires a generator to keep the battery charged for those down times. This system is pictured below.



1. OFFGRID SYSTEM
2. Array DC disconnect
3. Charge Controller
4. Deep cycle battery
5. System meter
6. Main DC disconnect

7. Inverter
8. Generator
9. AC Breaker panel
10. Household loads

SYSTEM UNITS

The DC Disconnect

This part is extremely important for efficient disabling of power in such cases as maintenance work and so forth.

The Charge Regulator

This is a part I highly recommend, even if it may seem unnecessary at first. It monitors and controls the charging of the battery, preventing it from being overcharged and monitoring the discharge during the night.

The charge regulator, by doing these things, extends the life span of the battery and will thus save you having to replace your batteries quite so often as would otherwise be the case.

The Deep-Cycle Battery

Deep-cycle batteries are preferable to regular batteries because they store all power produced by the solar panels, preventing waste.

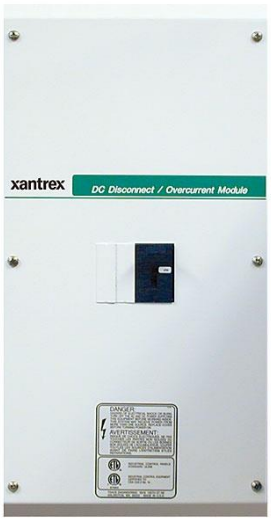
The System Measuring Device

Should you be interested in how much energy your system is producing, and how much is consumed, you will need a system-measuring device.

This device will thus help you monitor your system to make sure you are getting the most efficiency, and the most savings, from it.

The Main DC Disconnect

A main DC disconnect is essential for the maintenance needs of the inverter. As the name suggests, it helps disconnect the inverter.



The Inverter

Most of the appliances we commonly use run on alternating current (AC). But the solar panels only generate direct current (DC). An inverter converts direct current into alternating current. If you do not use AC appliances (such as TVs, refrigerators, and computers) then a DC output will suffice and you will not require the inverter.

The Generator

Any solar-power system that is not grid-tied needs an alternative source of energy for those times when the system is down or disabled (such as during periods of maintenance or improper weather). In order to make sure the energy supply is not cut off in such moments, you should employ a generator to temporarily cover the energy production.

The AC Breaker Panel

The appliances in any home can be directly connected to the inverter in order to run them on the energy produced by the solar-energy system.

However, this is not usual because most energy sources are connected to the electrical wiring in a home by an AC breaker panel.

This device acts as a kind of intersection point between the actual energy source and the various appliances that source feeds. AC breaker panels are usually installed outside the house or in a utility room or garage.

The difficulty with them is that you cannot tamper with them unless you are an authorized person – an electrician or similar. Also, you will need to contact your local energy provider and tell them you want to connect your solar-energy system to the panel.

Each country has its own regulations in this regard and you will need to find out about those.

The Grid

It goes without saying that this element is essential in a grid-tied system. The grid, of course, and in the absence of alternative sources, provides all the energy to our homes.

The Appliances

Any device that needs electricity in order to run is an appliance. Our energy needs are defined by these appliances.

Multimeter

You will be using the multi-meter to measure the input amps and voltages of the batteries. Although it is okay to use a digital multimeter, it is recommended to try and use an Analog. The reason for this is you are using a pulse DC in the SSG and an analog will go up to 1amp or more.

The Kilowatt-per-Hour Indicator

This unit is necessary for grid-tied systems. The purpose of it is to determine the energy which is both received from and delivered to the grid. The meter will turn backwards if the energy consumption is smaller than the energy produced.

CONCLUSION

One can never predict with exactness what will happen in the future.

However, one is more likely to be precise about the things that will not happen, provided that we decide and do everything possible to prevent them from happening.

For instance, it is a fact that humanity will not be able to rely on fossil fuel forever. Below are some ideas as to the future, in addition to the ideas already discussed in this book.

Solar Energy Unobstructed

Solar-power systems are great, but the main inconvenient feature is that they don't work during cloudy periods of time. But theoretically at least, there are ways to constantly collect sunlight, avoiding at the same time all the hindrances entailed by regular solar power systems.

One solution is to place huge PV panels in orbit, thus eluding the clouds and other issues that normally obstruct or diminish solar energy.

This will enable people to receive energy virtually continuously. But this project will be realized only if scientists solve another matter, that is, how to make the connection between those panels and the

users located down here, on the earth. Anyway, this idea is rather unlikely to be put into practice in the near future.

Flying Wind Farms

This idea may seem like something out of a science-fiction story. Of course, if they do ever exist it will not be anytime soon. Yet once the technological limitations are no longer a concern, the project may seem more reasonable than it does now. Such farms would collect wind power from presently inaccessible places such as over the oceans, for example.

Nanotechnology

This is an area that looks promising. Nanotechnology (the field of science that deals with the control of matter on the atomic or molecular level) concerns far more than the theme of renewable energy but it has the power change the way we think about alternative sources of energy, because it is able to increase the efficiency of the technology involved in this field.

The Power of Earth

Our planet is full of resources – renewable, of course – that could offer to us the benefits we now obtain from exploiting limited reserves.

Earthquakes, storms, the power of the waves, volcanoes and many other phenomena are potentially excellent sources of energy.

Of course, ways to exploit these still need to be explored and developed and it is hoped that in the not-too-distant future great progress will be made in these fields as, indeed, it has already in wind and solar power over the last few decades.

Afterword

Since it's always comforting to finish a project on a positive note, it must be said that changes will occur in the near future with respect to alternative sources of energy.

The degree of awareness increases and technology advances, and people are empowered to make decisions regarding ways to reduce their energy bills, preserving their environment and be more self-reliant.

Future generations will benefit from such thinking, but we can start the process by changing our behavior and our attitude today. Because it is by little changes that big revolutions are triggered.

We would like to thank you for taking the time to read our guide and hope you enjoyed it!

Good luck and congratulations for joining the other smart people who are producing their own energy and helping the environment.

APPENDIX – Metric To AWG Wires

AWG Number	Ø [Inch]	Ø [mm]	Ø [mm²]
6/0 = 000000	0.580	14.73	170.30
5/0 = 00000	0.517	13.12	135.10
4/0 = 0000	0.460	11.7	107
3/0 = 000	0.410	10.4	85.0
2/0 = 00	0.365	9.26	67.4
1/0 = 0	0.325	8.25	53.5
1	0.289	7.35	42.4
2	0.258	6.54	33.6
3	0.229	5.83	26.7
4	0.204	5.19	21.1
5	0.182	4.62	16.8
6	0.162	4.11	13.3
7	0.144	3.66	10.5
8	0.128	3.26	8.36
9	0.114	2.91	6.63
10	0.102	2.59	5.26
11	0.0907	2.30	4.17
12	0.0808	2.05	3.31

13	0.0720	1.83	2.62
14	0.0641	1.63	2.08
15	0.0571	1.45	1.65
16	0.0508	1.29	1.31
17	0.0453	1.15	1.04
18	0.0403	1.02	0.823
19	0.0359	0.912	0.653
20	0.0320	0.812	0.518
21	0.0285	0.723	0.410
22	0.0253	0.644	0.326
23	0.0226	0.573	0.258
24	0.0201	0.511	0.205
25	0.0179	0.455	0.162
26	0.0159	0.405	0.129
27	0.0142	0.361	0.102
28	0.0126	0.321	0.0810
29	0.0113	0.286	0.0642
30	0.0100	0.255	0.0509
31	0.00893	0.227	0.0404
32	0.00795	0.202	0.0320
33	0.00708	0.180	0.0254

34	0.00631	0.160	0.0201
35	0.00562	0.143	0.0160
36	0.00500	0.127	0.0127
37	0.00445	0.113	0.0100
38	0.00397	0.101	0.00797
39	0.00353	0.0897	0.00632
40	0.00314	0.0799	0.00501