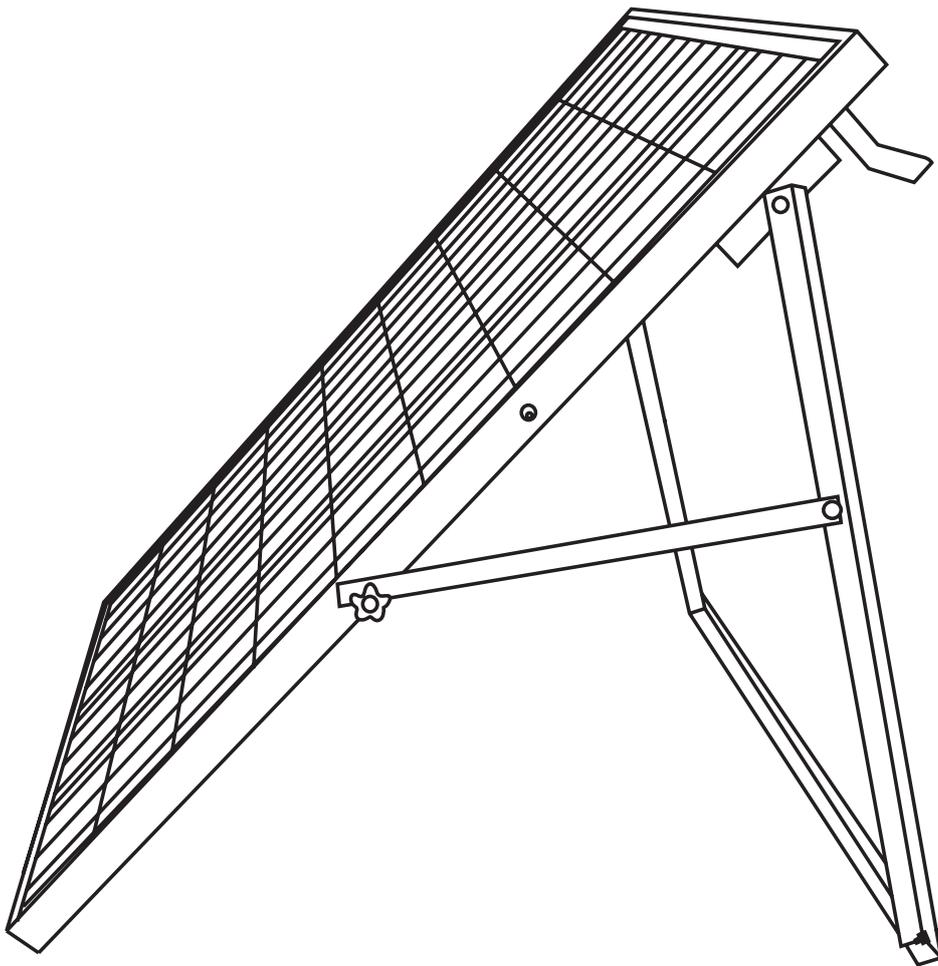


# Nature's Generator Power Panel

## User Manual



# Nature's Generator Power Panel

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## **1.0 Important Safety Instructions**

### **1.1 Safety Instructions**

1.1.1 Read these instructions.

1.1.2 Keep this user manual in a safe and accessible place.

1.1.3 Take note of all warnings to avoid injury or damage.

1.1.4 Follow all instructions.

1.1.5 The safety instructions provided herein are for illustrative purposes that include but are not limited to those listed in this manual. Actual operation shall comply with all applicable safety standards.

1.1.6 Always operate or store the equipment in the conditions specified in this manual. The installation and ambient conditions must comply with the regulations in the relevant national and local standards.

1.1.7 Avoid unauthorized disassembly, equipment replacement, or modification of software codes.

1.1.8 Nature's Generator shall not be liable for the equipment damages, personal injury, property loss or other damages resulting from the following circumstances:

- Force majeure events such as earthquakes, fires, storms, floods, or mudslides.
- Damages caused by improper handling and installation.
- Damages resulting from inadequate storage conditions as specified in the manual.
- Hardware or data damage caused by customer negligence, improper operation, or intentional actions.
- System damage caused by third parties or customers.
- Adjustments, changes, or removal of labels in violation of this manual.

1.1.9 This product may only be used outdoor and that no indoor use is allowed under any conditions.

### **1.2 General Requirements**

1.2.1 Do not install, use or maintain this equipment near water.

1.2.2 Do not install, use and maintain this equipment in adverse weather conditions such as lightning, rain, storm, snow and earthquake.

1.2.3 Keep this equipment away from heat sources.

1.2.4 Do not insert foreign objects into or block any ventilation openings.

1.2.5 Always turn off the power source before starting any electrical work.

1.2.6 Do not use near flammable gases or fumes or other equipment that produce a large amount of heat.

1.2.7 Do not store this equipment with flammable or explosive materials.

1.2.8 Do not place the equipment on an unstable or inclined surface.

1.2.9 Use the equipment for its intended purpose and avoid stacking objects on top of it during storage or use.

1.2.10 Keep the system out of the reach of children and pets.

1.2.11 Only use attachments/accessories approved by the manufacturer.

1.2.12 Regularly inspect the equipment and its accessories for damage or deterioration.

1.2.13 Refer all servicing to qualified service personnel. Servicing is required when the equipment has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the equipment, the equipment has been exposed to rain or moisture, has been dropped or does not operate normally.

1.2.14 The equipment should not be exposed to dripping or splashing, and no objects filled with liquids, such as drinking glasses or vases, should be placed on the equipment.

1.2.15 The transportation, wiring, installation and maintenance shall comply with all applicable laws, regulations and standards.

1.2.16 Do not make changes or modifications to the equipment's structure, installation sequence, etc.

- 1.2.17 Position the system on the flat surface and firmly secure it to a wall or other solid objects.
- 1.2.18 After installing the equipment, remove the idle package materials from the site such as cartons, foam, plastic, nylon ties, etc.

### **1.3 Warning**

- 1.3.1 Keep all electrical contacts and connectors clean and dry. This helps ensure stable electrical performance and prolongs the service life of the equipment.
- 1.3.2 When replacement parts are required, make sure that the service technician uses replacement parts specified by the manufacturer that have the same characteristics as the original part.
- 1.3.3 After completing any service or repair to this device, ask the service technician to perform routine safety checks to determine that your Nature's Generator Power Panel is in correct operating condition.
- 1.3.4 Use only in a dry location. Do not allow any liquid to get inside the solar panel. Do not submerge the solar panel in any liquid.
- 1.3.5 Do not damage or scratch the rear surface of the module.
- 1.3.6 The Nature's Generator Power Panel generates the electricity and thus the inherent personal injury from electricity exists. Unauthorized substitutions may result in fire, electric shock, personal injury, or other hazards.
- 1.3.7 These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.
- 1.3.8 Be aware of dangerously high DC voltages when connecting modules.

### **1.4 Caution**

- 1.4.1 Stop using the Nature's Generator Power Panel and refer servicing to qualified service personnel under the following conditions:
- If your Nature's Generator Power Panel has been dropped or damaged in any way.
  - When your Nature's Generator Power Panel exhibits a distinct change in performance.
- 1.4.2 Your Nature's Generator Power Panel contain materials that are regulated for environmental reasons. Your Nature's Generator Power Panel also contains materials that can be recycled and reused. To help protect the environment, contact your local authorities for information about disposal or recycling and about finding a recycler in your area before you dispose of your Nature's Generator Power Panel.

### **1.5 Storage Instruction**

- 1.5.1 Make sure the place where to store the system is well ventilated and spacious.
- 1.5.2 Do not store the system in flammable or explosive environments.
- 1.5.3 Keep the system out of the reach of children and pets.
- 1.5.4 Do not stack anything on top of the equipment during storage.
- 1.5.5 Store the product in the conditions described in this manual.

## **1.6 INSTRUCTIONS PERTAINING TO RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS**

### **IMPORTANT SAFETY INSTRUCTIONS**

1.6.1 WARNING – When using this product, basic precautions should always be followed, including the following:

- a. Read all the instructions before using the product.
- b. The equipment must be installed by a qualified electrician in compliance with all applicable electrical codes!
- c. Have servicing performed by a qualified repair person using only identical replacement parts. This will ensure that the safety of the product is maintained.
- d. To reduce the risk of injury, close supervision is necessary when the product is used near children.
- e. To reduce risk of damage to the electric plug and cord, pull the plug rather than the cord when disconnecting the cable.
- f. Do not put fingers or hands into the product.
- g. Avoid the sharp edges on the blades.
- h. Readjust and tighten the screws and bolts as needed after installation.
- i. Your Nature's Generator Power Panel must be installed in accordance with this manual along with local and national building code. Incorrect installation may void warranty.
- j. Use of an attachment not recommended or sold by manufacturer may result in a risk of fire, electric shock, or injury to persons.
- k. Do not disassemble the equipment, take it to a qualified service person when service or repair is required. Incorrect reassembly may result in a risk of fire or electric shock.

### **SAVE THESE INSTRUCTIONS**

#### **1.7 WARNING: GROUNDING INSTRUCTIONS**

1.7.1 When the local codes require, this product must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock.

1.7.2 WARNING – Improper connection of the equipment grounding conductor is able to result in a risk of electric shock. Check with a qualified electrician if you are in doubt as to whether the product is properly grounded.

## **2.0 Introduction**

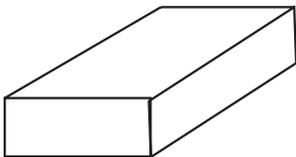
Congratulations on your new 100watt solar panel, a complete state-of-art solution that recharges your Nature's Generator products from the sun.

### **2.1 Unpack Your Nature's Generator Power Panel**

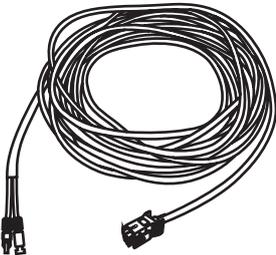
#### 2.1.1 100watt Power Panel



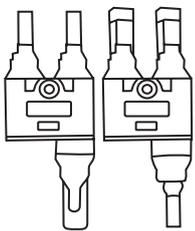
#### 2.1.2 Power Panel accessory box



#### 2.1.3 Power Panel cable (included in some models)



#### 2.1.4 MC4 branch connector (included in some models)

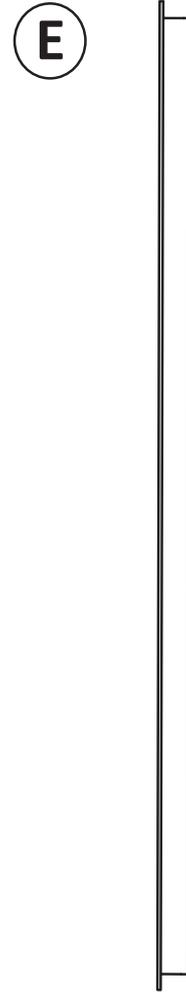
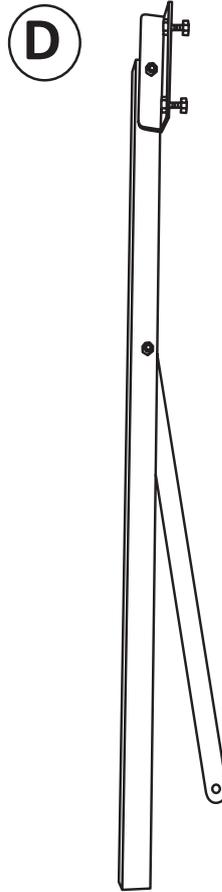
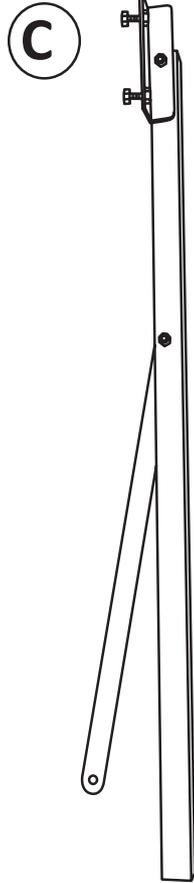
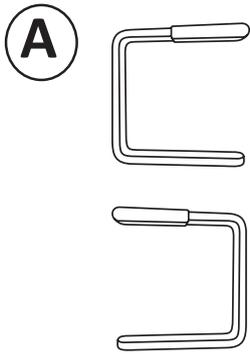


#### 2.1.5 This Manual



## 2.2 Unpack Your Power Panel Accessory Box

### 2.2.1 What are included:



**F**

 F-1A × 7 (2 spare pieces)

 F-1B × 5 (1 spare piece)

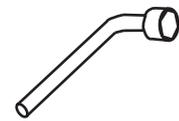
 F-2 × 2 pcs

 F-3 × 2 pcs

**T**



T-1



T-2

### 2.3 Assemble Your Power Panel Stand

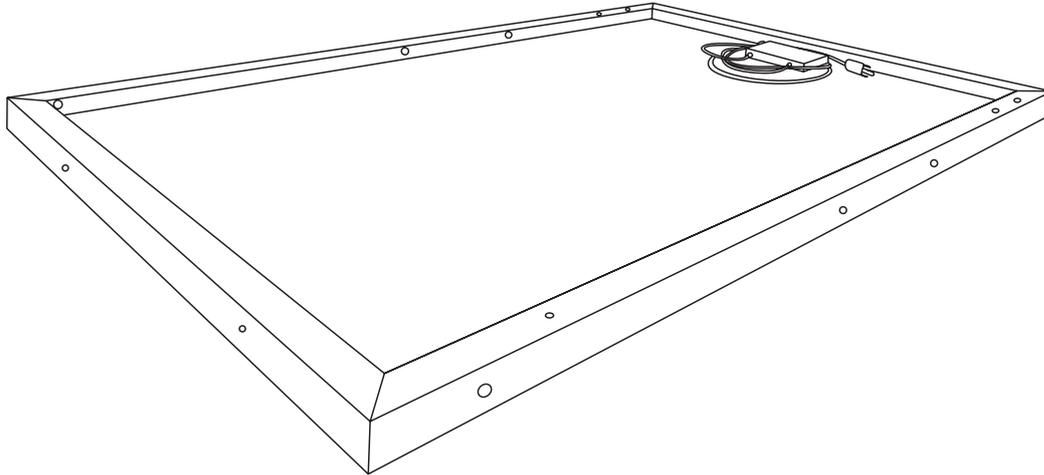


#### CAUTION

Some parts may contain sharp edges. Wear protective gloves if necessary.

If you have any questions or need assistance during assembly, please visit our YouTube channel, call us at 800.975.7909 or through email [support@naturesgenerator.com](mailto:support@naturesgenerator.com)

Step 1: Place the Power Panel on a flat and soft surface.



Step 2:

Required tools:

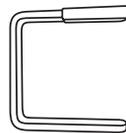
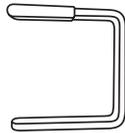


T-1

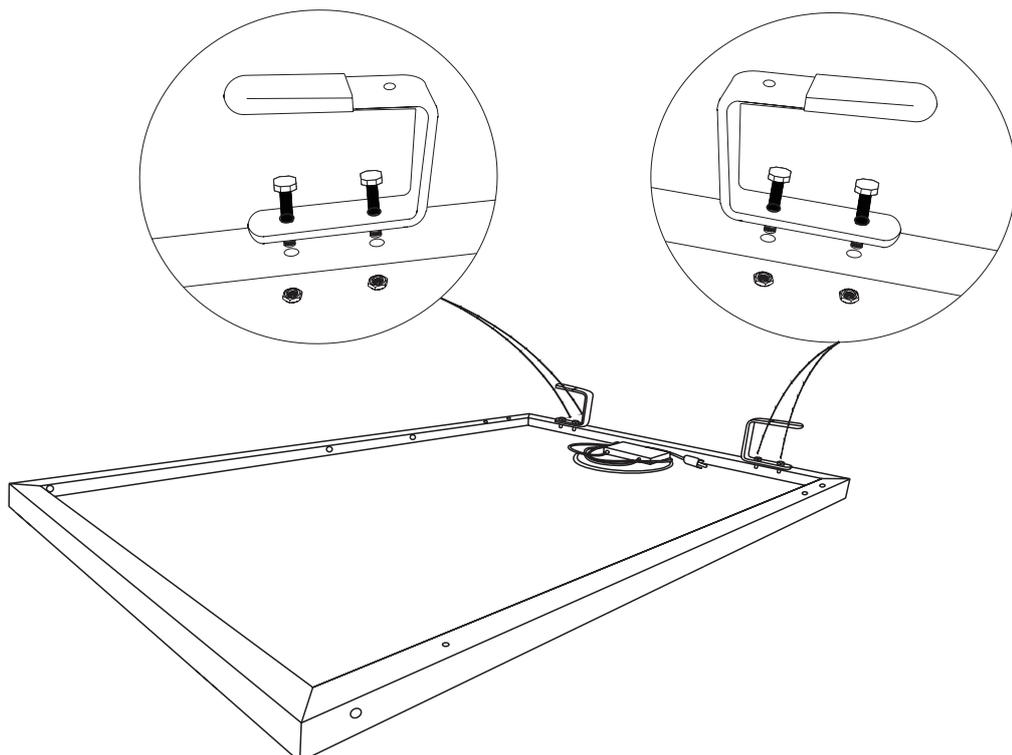


T-2

Required parts:



F-1A × 4 pcs



Step 3:

Required tools:



T-1



T-2

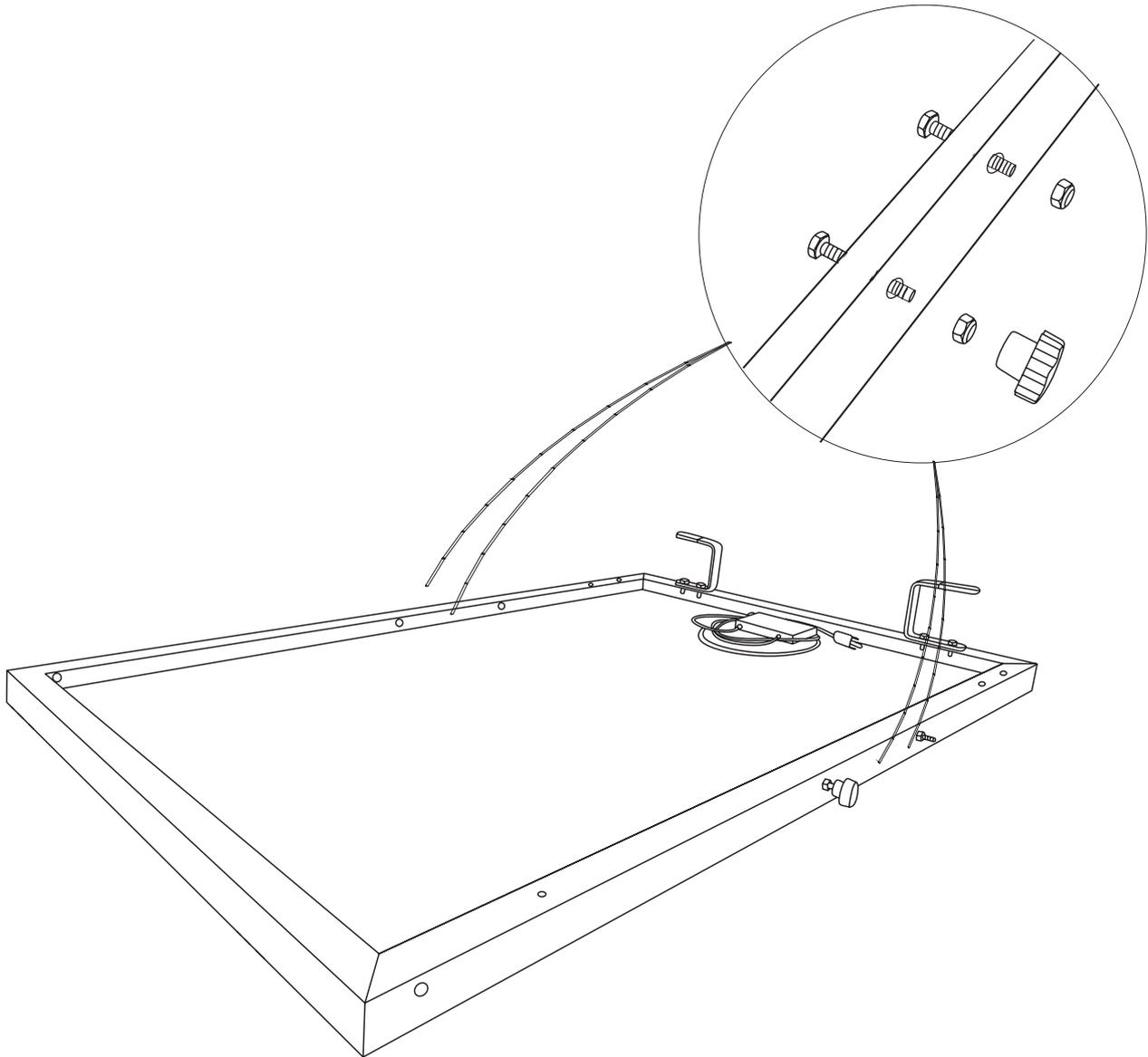
Required parts:



F-1B × 4 pcs



F-2 × 2 pcs

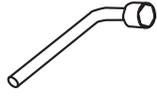


Step 4:

Required tools:



T-1



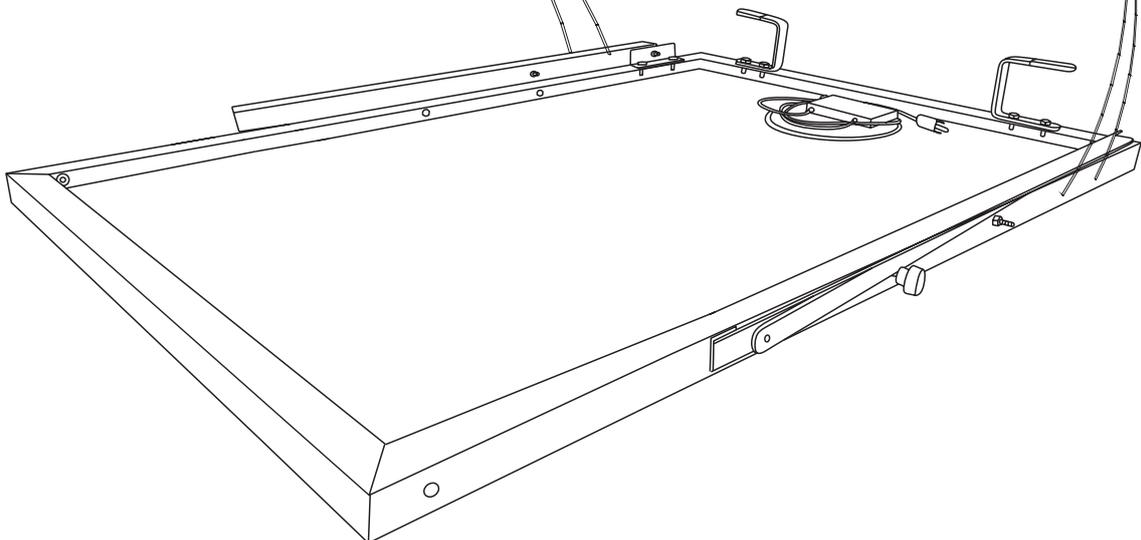
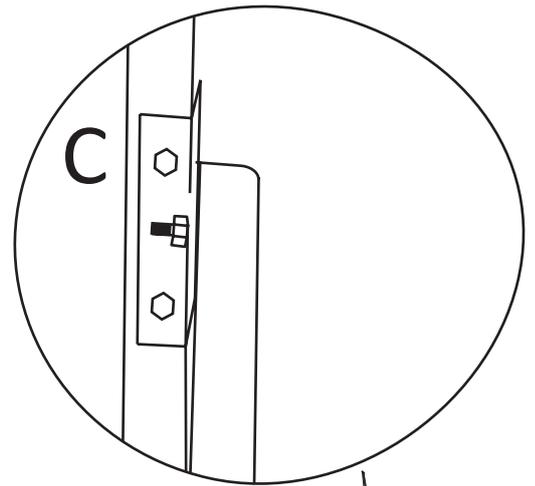
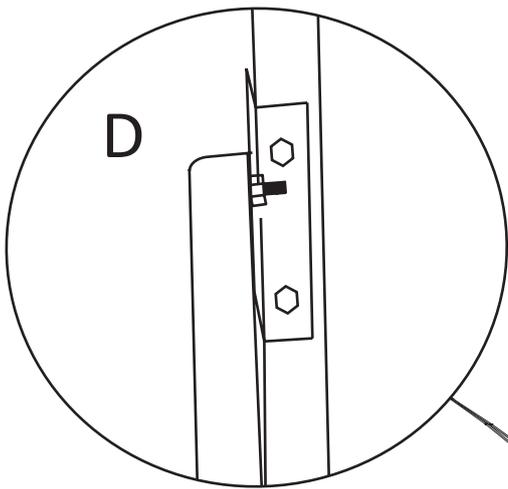
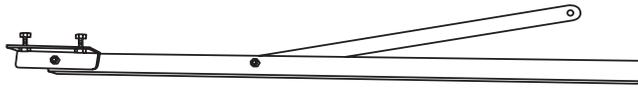
T-2

C



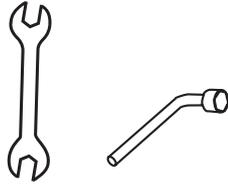
Required parts:

D



Step 5:

Required tools:

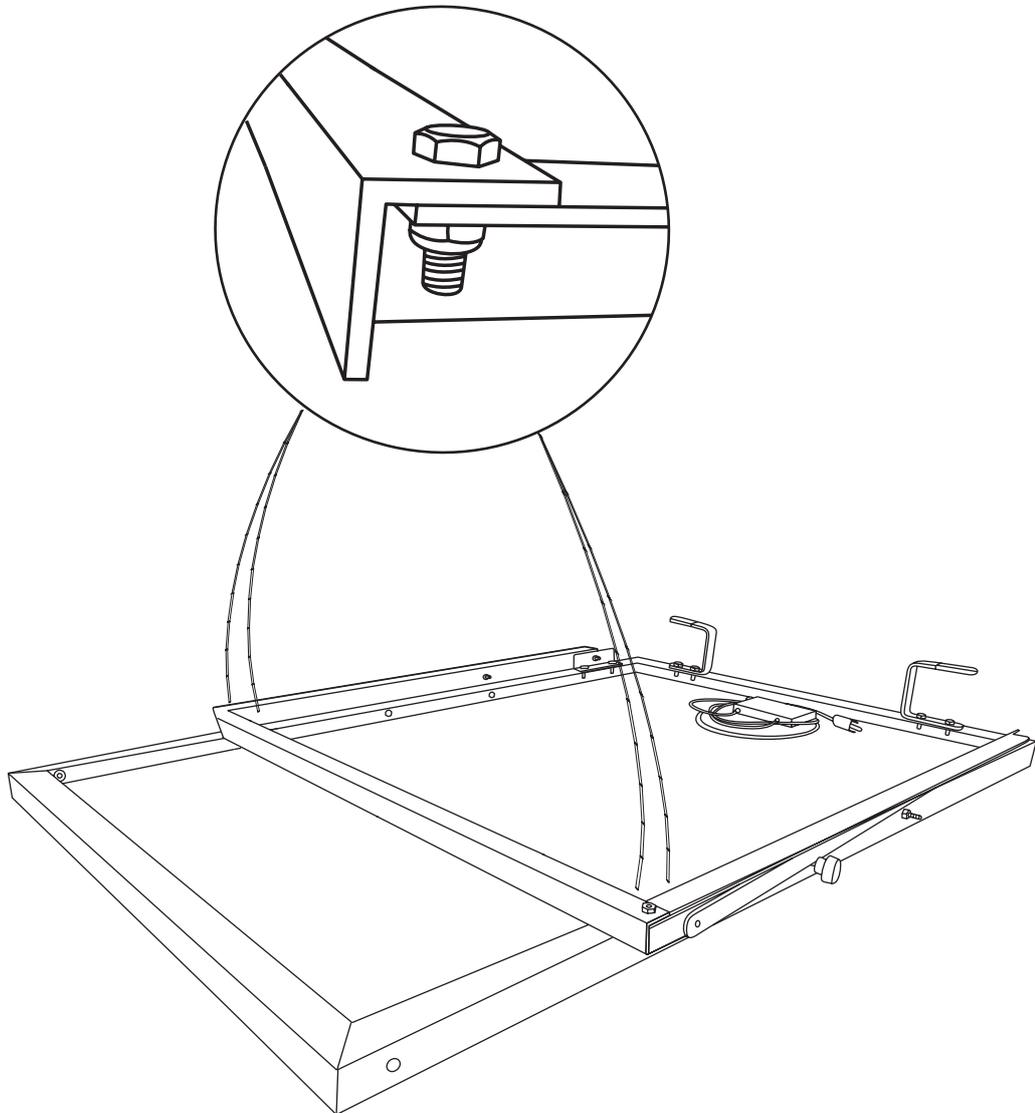


T-1 T-2

Required parts:

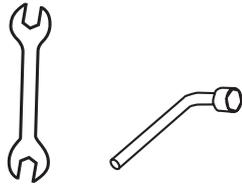


 F-1A × 2 pcs



Step 6:

Required tools:

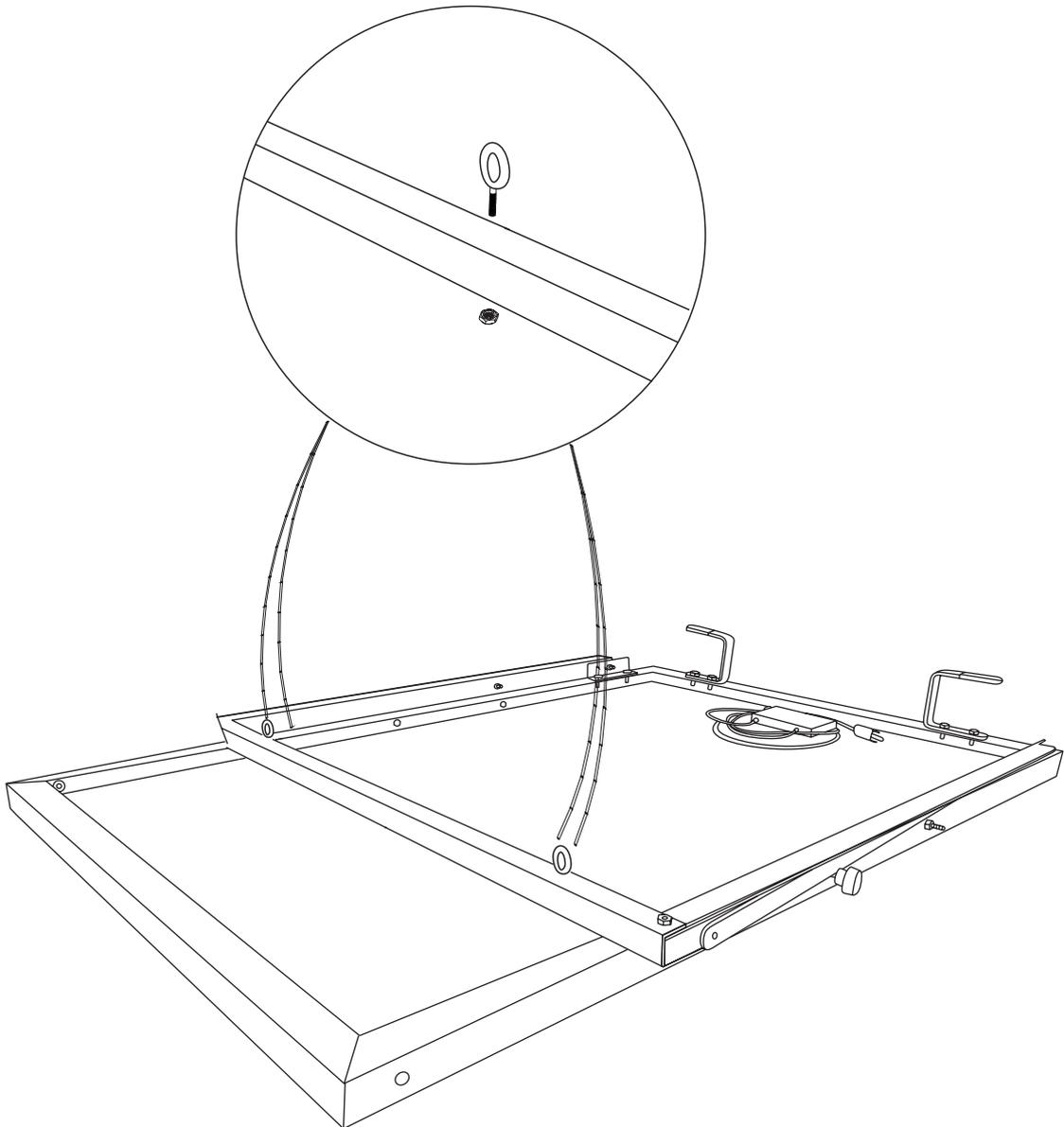


T-1 T-2

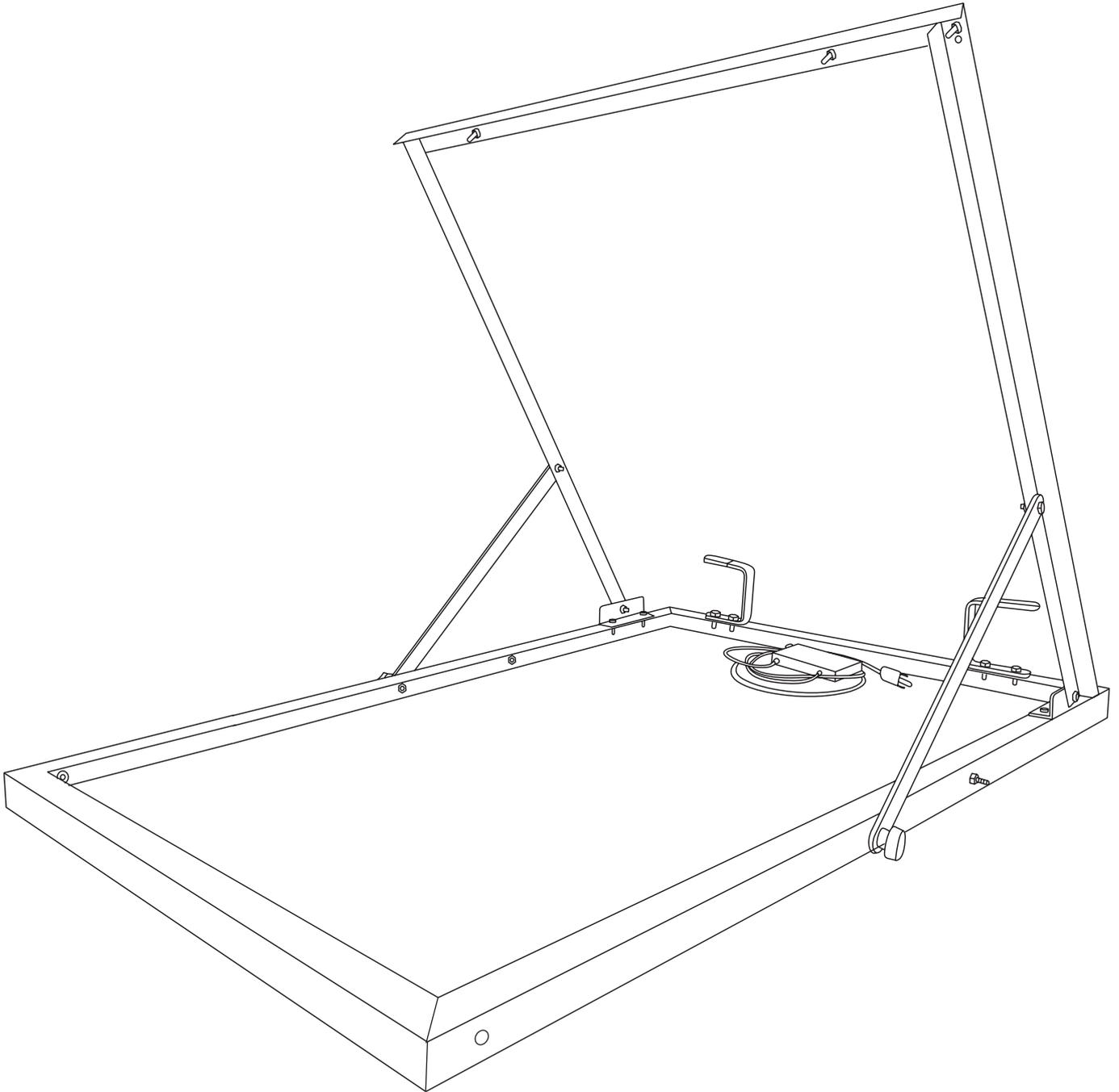
Required parts:



F-3 x 2 pcs



Step 7: Finish



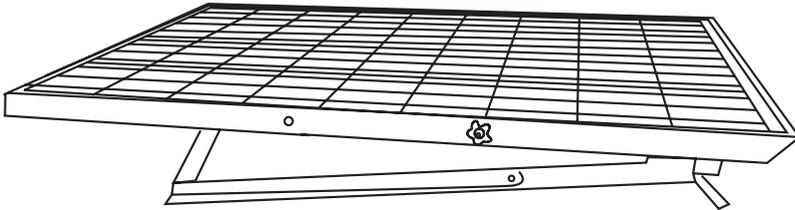
### **3.0 Use Your Nature's Generator Power Panel**

#### **3.1 Position Your Power Panel**

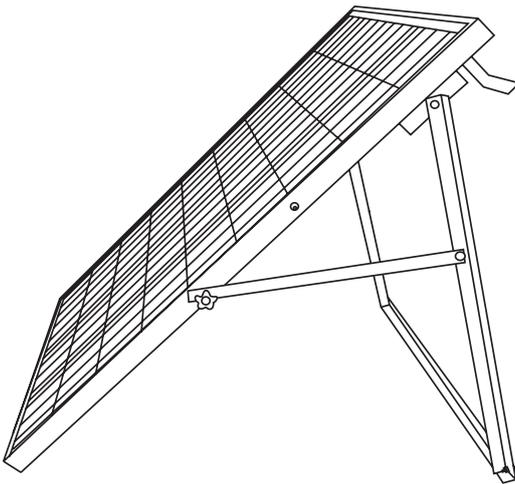
Please place your power panel where it will get as much direct sunlight as possible. There are three positions as follows:

Flat Position:

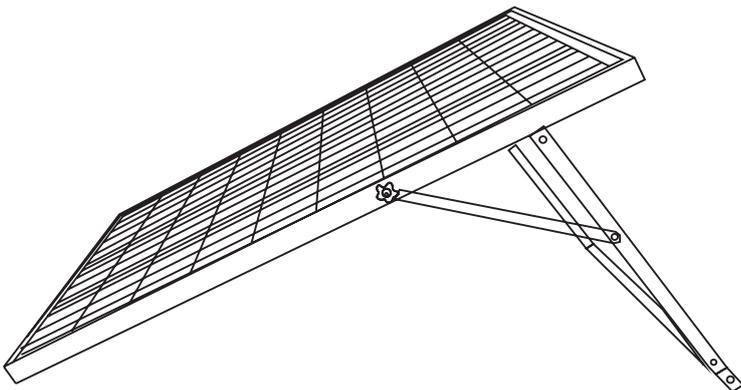
To mount the Power Panel semi-permanently or during travel.



Winter Position:

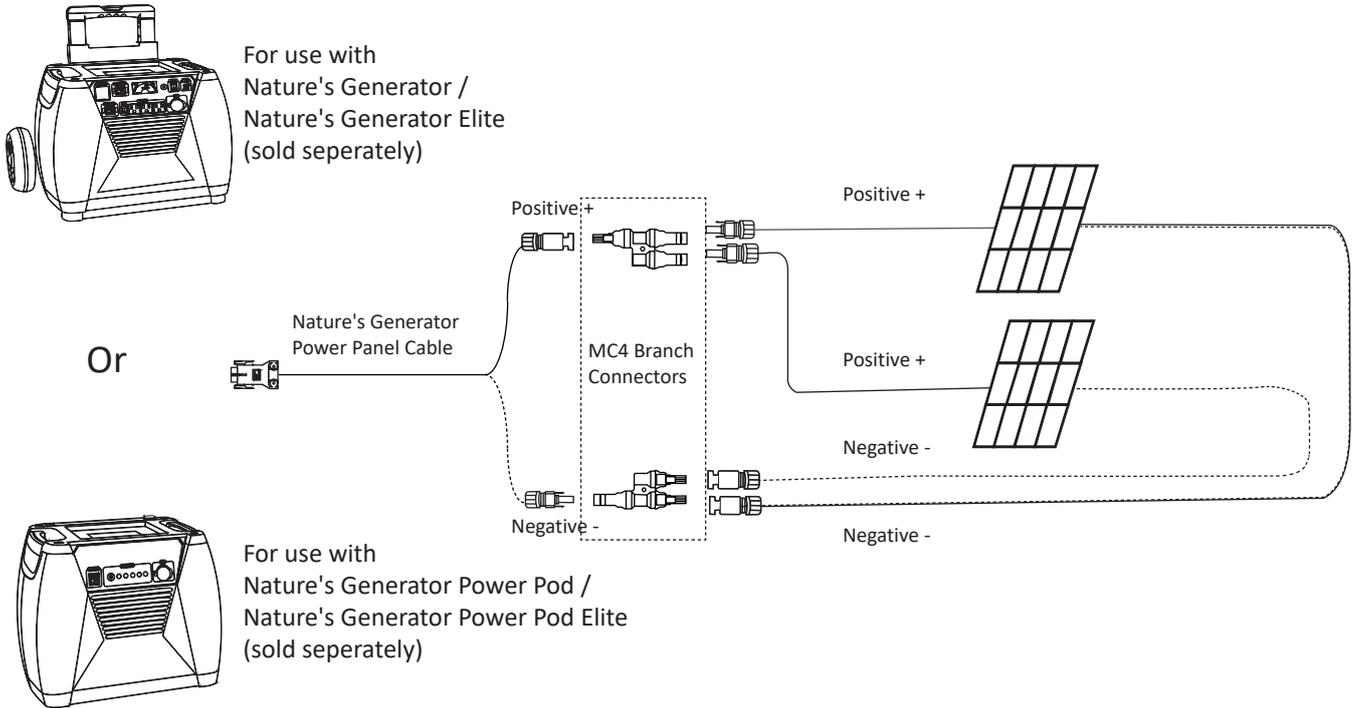


Summer Position:

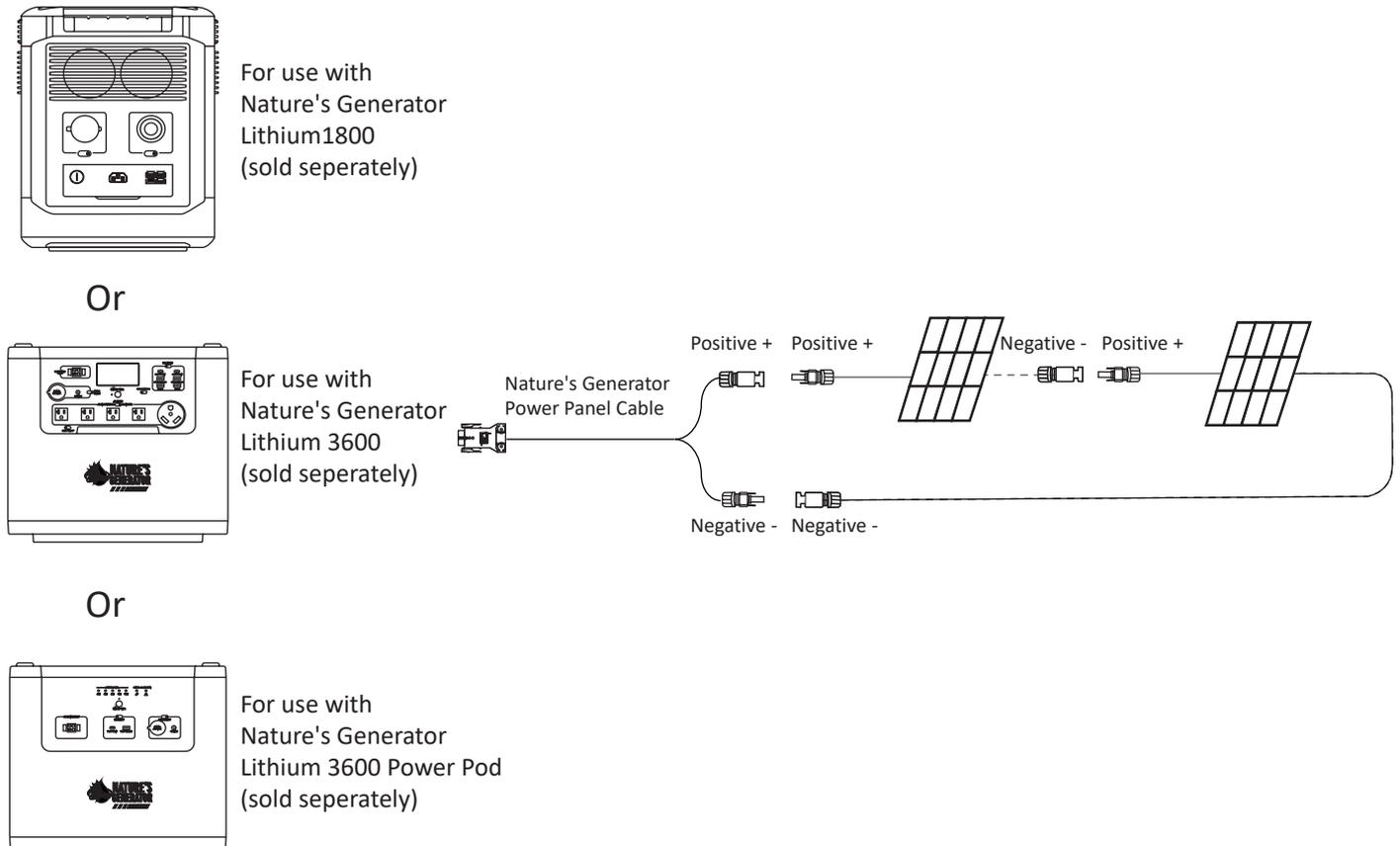


### 3.2 Expand Your Power Panel

#### How to Connect the Power Panels in Parallel

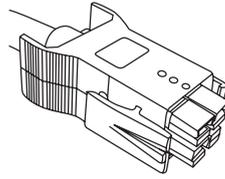


#### How to Connect the Power Panels in Series

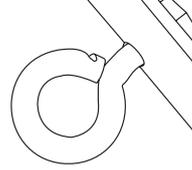


### 3.3 Use Your Power Panel

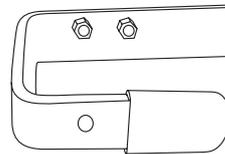
Connect the Power Panel cable to the solar input port.



You can use the eyebolts to anchor the Power Panel to the ground.



You can use handles for cable management and predrilled 6mm holes for optional mounting.



## 4.0 Technical Specifications

Rated Power: 100W

Voltage: 17V ~ 22V

Fuse Rang: 8A

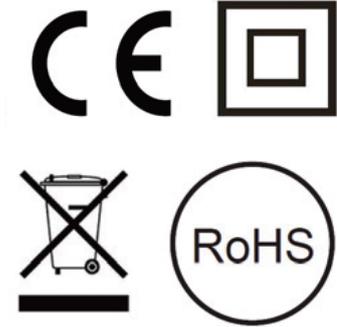
Cell: Monocrystalline

Dimensions: 33 x 26.4 x 1.4 inch (840 x 670 x 35 mm)

Weight: With cart and cable 22.7 lbs (10.3 kg)

Without cart and cable 13 lbs (6.2 kg)

Certifications:



## 5.0 Notice

Nature's Generator products, services, and features are subject to the agreed-upon terms and conditions during purchase. Please note that some products, services, or features described in this manual may not be available under your purchase contract. Unless otherwise specified in the contract, Nature's Generator makes no representations or warranties of any kind, express or implied, with respect to the contents of this manual.

The contents of this manual are subject to change without notice. Please get the latest version from: <https://naturesgenerator.com/pages/help-center> If you have any questions or concerns about this manual, please contact Nature's Generator support for further assistance.

## **6.0 Limited Warranty**

### **6.1 One Year Limited Warranty**

Natures Generator Inc. warrants to you, the original purchaser of this new product, that the product shall be free of defects in the original manufacture of the material or workmanship for a period of one (1) year from the original date of your purchase of the product (“Warranty Period”). This product must be purchased from an authorized dealer and packaged with this warranty statement. This warranty does not cover refurbished product.

### **6.2 What does this Warranty Cover?**

6.2.1 During the Warranty Period, if the original manufacture of the material or workmanship of the product is determined to be defective by an authorized dealer, Natures Generator Inc. will (at its sole option): (1) repair the product with new or rebuilt parts; or (2) replace the product at no charge with new or rebuilt comparable products or parts.

6.2.2 Products and parts replaced under this warranty become the property of Nature's Generator and are not returned to you. If service of products or parts are required after the Warranty Period expires, you must pay all labor and parts charges. This warranty lasts as long as you own your product during the Warranty Period. Warranty coverage terminates if you sell or otherwise transfer the product.

#### **6.2.3 How to Obtain Warranty Service?**

Please call 1-800-975-7909 Monday through Friday, 9:00AM to 5:00PM PST. You will be provided with a Return Merchandise Authorization (RMA) number and return instructions.

Send product to:

Natures Generator Inc  
3233 Mission Oaks Blvd. Ste N  
Camarillo, CA 93012

Please include the RMA number prominently displayed on the shipping box and include your name, phone number and address with the product inside the box.

### **6.3 Where is the Warranty Valid?**

This warranty is valid only to the original purchaser of the product in United States and Canada.

#### **6.4 What our Warranty does not Cover?**

This warranty does not cover:

- Cosmetic damage
- Damage due to acts of God, such as lightning strikes
- Accident
- Misuse
- Abuse
- Negligence
- Commercial use
- Modification of any part of the product
- Damage due to incorrect operation or maintenance
- Connection to an incorrect voltage supply
- Attempted repair by anyone other than a facility authorized by Natures Generator Inc. to service the product
- Products sold as is or with all faults
- Consumables, such as batteries
- Products where the factory applied serial number has been altered or removed

REPAIR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS YOUR EXCLUSIVE REMEDY. NATURES GENERATOR INC. SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR THE BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT, INCLUDING, BUT NOT LIMITED TO LOST DATA, LOSS OF USE OF YOUR PRODUCT, LOST BUSINESS OR LOST PROFITS. NATURES GENERATOR, INC. PRODUCTS MAKES NO OTHER EXPRESS WARRANTIES WITH RESPECT TO THE PRODUCT, ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCT, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE AND NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THE WARRANTY PERIOD. SOME STATES, PROVINCES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE OR PROVINCE TO PROVINCE.

Natures Generator Inc:  
3233 Mission Oaks Blvd. Ste N  
Camarillo, CA 93012  
For customer service please call 1-800-975-7909

