



Solar Powerpak with Lights

Owner's Manual



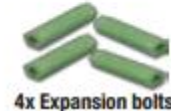
Product Description

Congratulations on purchasing your Solar Powerpak with Lights. A Solar rechargeable system including a 7.5 watt solar panel, a battery pack and 2 LED light bulbs. This portable Powerpak is universal and is great for awnings, camping, emergency lighting and more!

For safe and optimum performance, the unit must be used in accordance to the guidelines in this manual. Carefully read all instructions and cautionary markings on the unit and follow all instructions and guidelines in this manual. Please pay special attention to the **WARNING** statements. Please keep this manual for future reference. The Solar Powerpak with Lights contains a battery which requires it to be fully charged upon purchasing. Please immediately charge the unit for 2 days with the Solar Panel included to optimize performance and lifespan of the Solar Powerpak with Lights. It is recommended to charge the unit after *each* use and once every *90 days*. **Disclaimer:** While every precaution has been taken to ensure the accuracy of the contents of this guide, **Nature Power** assumes no responsibility for errors or omissions. Nature Power reserves the right to make changes to the product, specifications and this manual without notice. Therefore, check the website for manual updates as necessary. www.naturepowerproducts.com

Item Number: 40050

Accessories Included



WARNING

Read all instruction and warnings prior to using this product. Improper use of this product may result in product damage, excess heat, toxic fumes, fire or explosion, for which damages you (purchaser). The manufacturer cannot be held responsible.

- Use only with the supplied Solar Panel to charge the Solar Powerpak with Lights. Use of non-supplied Solar Panel will damage or overcharge the battery and may cause fire hazard.
- Do not store unit in high temperature environment, including intense sunlight heat. Do not place unit near fire or other excessively hot environments.
- Be cautious of excessive drops, bumps, abrasions or other impurities. If there is any damage to the battery such as dents, punctures, tears, deformities or corrosion, due to any cause, discontinue use and contact manufacturer or dispose of in an appropriate manner.
- Do not disassemble or attempt to modify it or replace any part of this unit.
- Do not expose unit to moisture, snow or submerge it in liquid.
- Do not use unit in the vicinity of flammable fumes or gases (such as propane tanks or large engines).
- Do not attempt to charge unit using any other method, or connection other than the supplied accessories.
- Do not cover or obstruct any air vent openings and/or install in a zero-clearance compartment.
- Do not use in connection with life support systems or other medical equipment or devices.
- If this unit is intended by purchaser to be used by a minor, an adult should agree to provide detailed instructions and warnings to any minor prior to use. Failure to do so is sole responsibility of purchaser. Purchaser agrees to indemnify manufacturer for any unintended use of misuse by a minor.
- All units have gone through a thorough quality assurance. If you find that your unit is excessively hot, is emitting odor, is deformed, abraded, cut or is experiencing or demonstrating an abnormal phenomenon, immediately stop use.
- Never dispose of units in the garbage. Disposal of units in the garbage is unlawful under state and federal environmental laws and regulations. Always take used unit to your local battery recycling center.

This unit is meant for use only in conjunction with the appropriate mobile device. Manufacturer shall not in any way be liable to you or to any third party for any damages you or any third party may suffer as a result of use, intended or unintended, or misuse of this unit in conjunction with any device or accessory other than the appropriate mobile device for which this unit is designed. Manufacturer will not be responsible for any damages you or any third party may suffer as a result of misuse of this unit as outlined above. If you are responsible for unit use with an unintended mobile device and damages result from such use, you agree to indemnify manufacturer for any resulting injuries to any third part (ies).

Operation

Charging the Powerpak (See Fig1)

1. To charge the Solar Powerpak with Lights simply connect the Solar Panel adaptor cable to the Solar Panel.
2. Insert the other end of the adaptor cable into the port labeled 'Solar Panel Only'
3. Place the Solar Panel in direct sunlight and allow to charge. A blue LED on the Solar Panel will illuminate to show that it is generating current.



Note: The Powerpak should be switched to the 'Off' position and all accessories disconnected while charging. The optimum hours for Solar Charging are from 9am – 3pm.

Charge your devices (See Fig2)

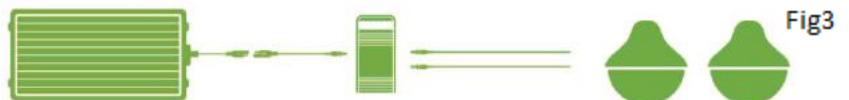
The Solar Powerpak with Lights is equipped with a 2.1A, 5v USB port. To charge your devices simply;

1. Insert the USB cable you received with your mobile device in to the USB port on the Powerpak
2. Switch the 'On/Off' switch to the 'On' position
3. Device will start charging



Using the Lights (See fig3)

1. Insert the lights into the ports on the Powerpak marked '12v DC'
2. Switch the Powerpak to 'On'
3. Press the 'On/Off' switch on the lights to illuminate.



Solar Panel

The Solar Panel for the Solar Powerpak with Lights can be used to charge and maintain 12v batteries (See fig4)

1. Connect the Solar Panel to the battery with the battery clamps provided.
2. Connect the battery to a 12v battery ensuring the parallel polarity is observed.



Connect the positive battery clamp to the positive battery terminal, and connect the Negative Battery clamp to the Negative battery terminal

3. Place Solar Panel where it will receive maximum sunlight and allow it to charge the battery

Note: There is no requirement for a charge controller with this Solar Panel because the panel is under 12 Watts

Alternatively the Solar Panel can maintain a 12v battery while it is still in the vehicle. (See Fig5)

1. Simply connect the Solar Panel to the male DC Plug provided
2. Insert into the 12v DC Port (Cigarette Lighter) in the vehicle.
3. Place Solar Panel it will receive maximum sunlight and allow it to charge the battery

Note: If the 12v Port in the vehicle is not live when the ignition is switched off you may connect it to the battery as described above.

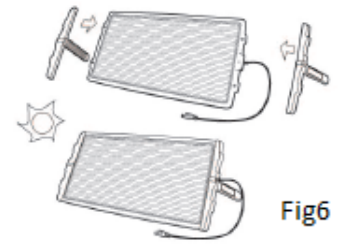


Mounting the Solar Panel

Tilt Stands (see Fig6)

The Solar Powerpak with Lights comes with a tilt stand for its Solar Panel for optimum charging

1. Slide the open end of the tilting mounts over the side of the Solar Panel.
2. Be careful to thread the Solar Panels wire through the holes in the stand.
3. Ensure the stand is secure and place the Solar Panel in direct sunlight for optimum charging.



Suction Cups (See Fig7)

The Solar Powerpak with Lights comes with 4 suction cups included.

1. To secure the suction cups to the Solar Panel simply remove the screw-tops on each suction cup
2. Thread the long end at the back of the cup through the holes on each corner of the solar panel with the concave part of the cup facing the same way as the Solar Panel.
3. Replace the screw-tops on the suction cups
4. The Solar Panel can now be secured to smooth surfaces i.e.; windows etc.



Note: All 4 suction cups should be used at the same time to avoid the Solar Panel from falling and damage occurring.

Permanent Mounting (See Fig8)

1. Choose an area that receives the maximum amount of sunlight possible
2. Use the holes located in the corner of the Solar Panel to mark the surface you have chosen
3. Set the Solar Panel on the surface and secure in place with the screws and anchors provided.

Note: The Solar Panel is equipped with 11.8ft of wire. 11.8ft is the maximum distance the Solar Panel can be placed from the Powerpak



Specifications

Solar Panel

Type	Amorphous
Maximum Voltage	15.6v DC
Maximum Power Total	7.5Watts
Maximum Current Total	500mAh
Cable Length	11.8ft
Dimensions Each	8.54 x 15.95 x 0.5"

Lights

LED Type	Bright White
LED Quantity	6 LEDs per bulb
Working Voltage	12v
Power Output	3 Watts
Cable Length	12.46 ft.
Dimensions	4.4 x 4.4 x 4.33"

Powerpak

Maximum Output Power	12watts
Output Power Voltage	2.1A 5v USB + (2) 12v DC
Battery Type	12v 2.6A
Dimensions	4.96 x 2.6 x 10.08"
Weight	3.24lbs

Troubleshooting

If the Solar Powerpak with Lights does not charge a device from its USB Port or if the lights do not illuminate please observe the following;

- Ensure Powerpak is charged
- While Solar Powerpak with Lights is charging ensure the Solar Panel is in direct sunlight and is not being obstructed by any shade or other objects
- Ensure Powerpak is set to 'On'
- Ensure connections are secure

Note: Some mobile devices have restrictions on how they can be charged and the USB port may not be compatible. This is down to the manufacturer of the devices and is not a responsibility of Nature Power.

Maintenance

To keep your Solar Powerpak with Lights operating to its fullest potential, make sure to do the following:

- Re-charge the unit after each use and once every three months when not in use.
- Keep the unit dry and away from moisture and corrosive materials.
- When the unit is not in use ensure all accessories are disconnected
- Do not wash the unit with harsh chemicals, soaps or detergents.
- If the unit needs cleaning, Wipe with a lightly damp cloth only, making sure not to let moisture into the unit

Limited Warranty

Proof of purchase required (Please keep receipts)

One Year Limited Warranty

This warranty is limited to no other than those described herein. Any implied warranty of merchant ability of fitness for a particular purpose on this unit is limited in duration to the duration of this warranty. The Solar Powerpak with Lights is warranted, to be free of defects in materials and workmanship for one year from the date of purchase without additional charge.

Nature Power will not be responsible for any amount of damage in excess of the retail purchase price of the unit under any circumstances. Incidental and consequential damages are specifically excluded from coverage under this warranty. The Solar Powerpak with Lights is not intended for commercial use. This warranty does not apply to damage to units from misuse or incorrect installation/connections. The warranty does not cover any modules connected to the Solar Powerpak or the accessories included. This product is not water proof or weather resistant, damage due to the unit by weather related damage; i.e. overheating, snow, water will not be covered.

For returns please contact your original point of purchase prior to contacting Nature Power. If satisfaction cannot be provided individual items should be returned postage paid to Nature Power.

The Nature Power Solar Powerpak with Lights is manufactured and assembled in China.



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