

Portable Solar Lamp

“Dream Light”



Owner's Manual

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Dream Light – Portable Solar Lighting

The Product

The purpose of the Portable Solar Lighting is to provide an environmentally friendly and safe off grid lighting solution for homes, community gathering places, outdoor markets, medical clinics and schools in remote areas where no electricity is available and communities must rely on fuel based lighting products.

Fuel based lighting is inefficient, normally only producing 2-4 lumens of light output which makes it difficult to do any work in the evening hours. Fuel based light is also dangerous and may cause house fires and release particulates into the air causing upper respiratory problems in women and children. Remote area families are required to walk long distances to purchase kerosene required for household lighting, taking them away from income producing activities or schooling.

Return on Investment

Let's look at a typical use of a kerosene lamp in a 3rd world country. For example, in Africa and India, the:

- Average income per day \$2.00
- Cost for kerosene per day \$0.25
- Cost for kerosene per year \$90.00

With a price of \$50.00 USD for the Dream Light, you can easily see it takes less than one year for the ROI. When you factor safety, health, and time into the equation, it's clear the Dream Light truly is a dream come true.

Applications

As we produce higher lumen output lamps using fewer watts, coupled with battery technology and lack of a power grid, we find the range of applications expanding. Consider the use of kerosene for lighting and its inherent danger. From fire safety to the air you breathe, kerosene is refined from oil and certainly not the best solution for lighting.

Africa

With over 554 million people without electricity, this is the ideal solution for providing something as basic as light. Light allows people to read, work, and perform a host of duties during the dark hours.



Charging Stations

We've included a USB port which allows you to charge portable devices such as cellular phones, GPS, etc. This feature alone elevates this product to the "best of the best".



The Puck

The unique puck design allows for use in multiple applications providing 7 hours of 150 lumens of light on a single charge.



Read your Owner's Manual carefully before use and retain for future reference.

Our Solar Charged Lighting products all incorporate a similar design. This allows users to operate these products in a variety of situations. Please read and review carefully the following instructions for optimal product performance.

System Components

Product contents: *

GP Solar 2.5W Solar Panel with power cord.

Dream Light, includes 1800mAh NiMH battery system and 30 LED light board.

- Please inspect product carefully to ensure all parts are included and undamaged. Do not use product if any wires are frayed, connectors are bent or product appears to be damaged in any way.
- Contact our customer service department if product is damaged for further instructions.

*AC battery charger sold separately

Warnings:

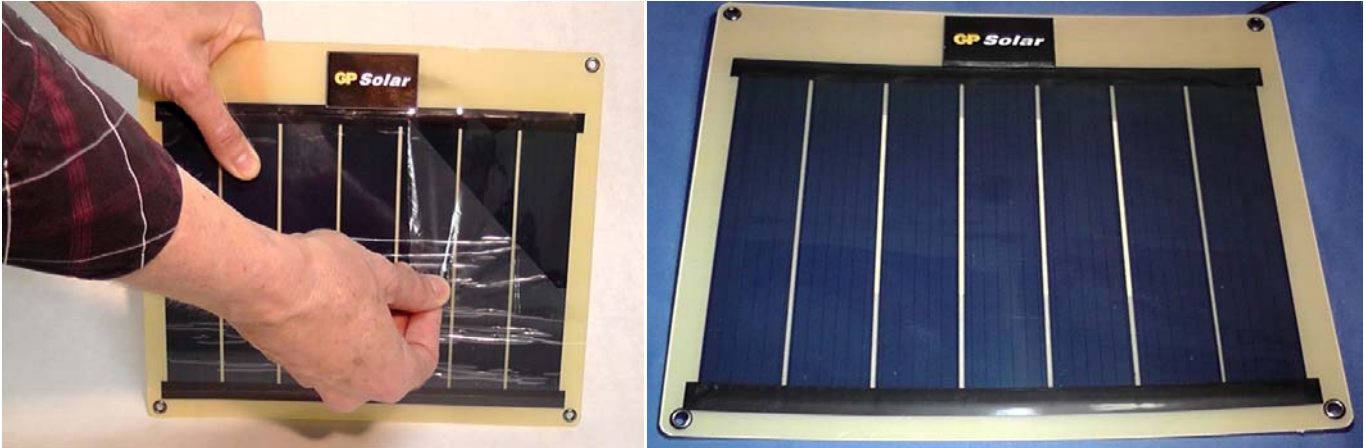
- Use only AC Battery Charger and/or Solar Panel specified by Light² Labs.
- Failure to follow instructions may result in risk of fire or electric shock.
- Do not disassemble or alter product in any way.
- Use only as directed.
- Do not remove or replace batteries. Contact Light Squared Labs customer service for service locations when battery replacement is required.

Transportation

NiMH batteries do not have any special handling or transportation requirements.

Use Instructions

1. Remove protective plastic wrap from solar panel.

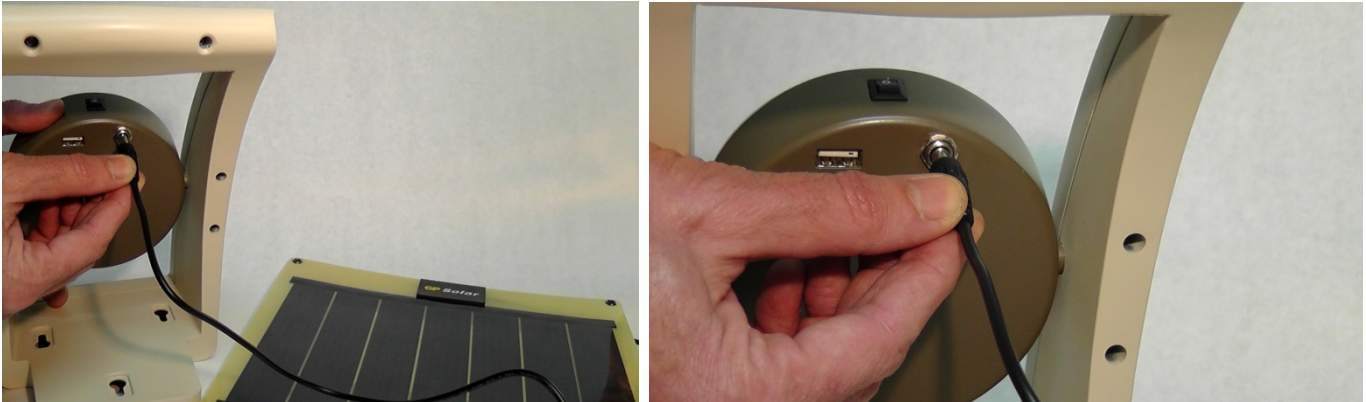


2. Place solar panel face up in direct sunlight and position solar panel as to maximize its exposure to the sun. Charging rate will depend on the intensity of sunlight and orientation towards the sun. To maximize charging performance, move the solar charger from time to time according to the sun's movement. Avoid areas with shade as this will result in an increase in battery charging time.



IMPORTANT: BEFORE INITIAL USE, THE SOLAR PANEL MUST BE PLACED IN FULL DIRECT SUNSHINE FOR A MINIMUM FULL DAY WITH THE POWER SWITCH IN THE 'OFF' POSITION. IF FULL SUNSHINE IS NOT AVAILABLE IT MAY TAKE UP TO 2-3 DAYS TO OBTAIN INITIAL FULL CHARGE. THIS PROCEDURE ALSO APPLIES WHENEVER THE BATTERIES HAVE BEEN STORED FOR SOME TIME AND WHENEVER NEW BATTERIES HAVE BEEN INSTALLED.

3. Plug power line from solar panel into the back of the Dream Light. Make sure Dream Light power switch is in the off position. Allow a full day's charge for optimal performance.



4. At sunset., unplug solar panel. Your Dream Light battery should be fully charged and ready for use. Press power switch to turn light on. To preserve battery life, keep light on only when needed.



5. One unit is fully charged it can be used for charging other portable devices*. Simply plug USB data cable from your portable device directly into the back of your Dream Light.



*Use of this feature will reduce lighting time.

Maintenance

- Keep surface of solar panel clean as the accumulation of dirt can reduce the efficiency of the panel. Do not immerse into water. Unplug the unit when not in use or prior to cleaning. The panel should not be left out in wet, rainy or snowy conditions.
- In order to maintain battery performance when being stored for an extended period of time with non use, charging and discharging of the battery within a 6 month period is recommended. This procedure is recommended to maximize performance. Failure to do so may result in a shorter battery life.
- Do not incinerate or dismantle product or battery pack. Cell components are corrosive and may be harmful to skin and eyes.
- Do not pull on battery lead wires or connectors, excessive force can damage the welding joints and other connections.
- Never use any charger or AC adapter not recommended by Light² Labs.
- Over time the performance of the batteries will decline, if performance declines substantially it is time to replace the batteries, contact your Light² Labs customer service dept for battery replacement and service.
- Do not dispose of electrical appliances or batteries in unsorted municipal waste. Use separate collection facilities. Contact your local government for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the ground water and get into the food chain, damaging your health and well being.
- NEVER dispose of battery in fire as it can cause bursting of the battery and possible explosion and personal harm.

Troubleshooting

- **Light is not turning on or light is not lasting through the night.**

Check to make sure the plastic protective film was removed from the solar panel. Even though the plastic film is clear, it inhibits the charging process.

Confirm the area for charging did not experience any shadows or heavy clouds during the day. The solar panel needs optimal sun exposure in order to fully charge during the day and may affect lighting time through the night.

Confirm solar panel power cable was completely plugged into the back of the Dream Light unit. Loose or incomplete connections can cause the light to not fully charge.

Check to make sure that the Dream Light was in the off position during the charge. Leaving the light on during the charge cycle can affect performance.

- **Only some of the LEDs are lit.**

If only a portion of the LED lights are working then the product is defective, please contact Light Squared Labs Customer Service Dept to arrange for service or replacement.

LIMITED WARRANTY

What The Warranty Covers:

All products covered by this Owner's Manual are warranted against all defects in workmanship and materials. You must be the original purchaser or user of the product to be covered.

What The Period Of Coverage Is:

All components are covered by this warranty for three years from the date you purchased your Solar Power Light. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, MADE WITH RESPECT TO COMPONENTS AND ACCESSORIES IS ALSO LIMITED.

How Can You Get Service:

For assistance with performance or damage issues with your products, please contact us by :

Telephone, 1-866-811-3532 or 360-896-4063

Email info@light2labs.com

Writing to Light Squared Labs Service Dept, 5139 NE 94th Avenue, Ste F, Vancouver WA 98662.

Include all model numbers shown on the product along with the problems you are experiencing with your request. If the customer service agent is unable to assist you in troubleshooting your problem, they will either direct you to a local service center or issue an RMA tag for return of your product for evaluation. You will be responsible for all insurance, freight or other transportation charges to our factory or authorized dealer/service center. Your Product should be properly packed to avoid damage in transit.

What Is Not Covered:

This warranty also does not cover any defects, malfunctions or failures caused by:

- Repairs by persons not authorized by Light Squared Labs.
- Use of parts or accessories not authorized by Light Squared Labs.
- Mishandling, improper installation, modifications or damage to your product while in your possession, or
- Unreasonable use, misuse, abuse, including failing to do reasonable and necessary maintenance, and normal wear and tear.

No other written or oral warranties apply, and no employee, agent, dealer or other person is authorized to give any warranties on behalf of Light Squared Labs.

REPAIR, REPLACEMENT OR A REFUND ARE THE EXCLUSIVE REMEDIES AVAILABLE UNDER THIS WARRANTY AND LIGHT SQUARED LABS IS NOT RESPONSIBLE FOR DAMAGES OF ANY KIND, INCLUDING INCIDENTAL AND CONSEQUENTIAL DAMAGES. Incidental damages include but are not limited to such damages as loss of time and loss of use. Consequential damages include but are not limited to the cost of repairing or replacing other property which was damaged if this product does not work properly.

Contact Information

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