

Solar Cattail Light

How the Solar Cattail Light Works

The Solar Cattail Light includes a Cattail Light and Solar Charging Panel with an attached ground stake. During the day, the Solar Charging Panel converts sunlight into electricity and recharges the Cattail Light's battery. At night, the stored electricity automatically powers the Light Emitting Diode (LED) inside the Light.

The number of hours the LED is illuminated depends upon your geographical location, weather conditions and seasonal lighting availability. The more sunlight received during the day, the longer the light will operate that night. The solar light will use all available energy from the battery each night. Under normal conditions, if the Solar Charging Panel is charged in full sunlight for 6-8 hours a day the Solar Cattail Light should illuminate for up to 6 hours at night. Keep in mind that cloudy or shady conditions may affect charging effectiveness; therefore, the unit will not be fully charged for maximum operation under such conditions.

The battery included with your Solar Charging Panel is a rechargeable AA Nickel Metal Hydride (Ni-Mh) battery and will need to be replaced when the charging ability is decreased. The battery should be replaced approximately every two years.

Handling Precautions

- Handle the Solar Cattail Light with caution (especially all glass parts) to avoid breakage.
- The LED has an estimated life of 50,000 hours and should never be tampered with.
- Ensure that you do not scratch the surface of the Solar Charging Panel and ensure the top of the charging unit is free of dirt or any matter that may impair passage of light to the solar cell.

Choosing a Location for the Solar Charging Panel

Choose an outdoor location within 10 feet of the Solar Cattail Light which receives at least 6-8 hours of direct sunlight each day. Placing the Solar Charging Panel in a shaded location will not allow the battery to charge fully and will reduce the hours of nighttime illumination. The selected location for your Solar Charging Panel should not be near nighttime light sources such as street or porch lighting as these may cause the Cattail Light to turn off automatically.

Choosing a Location for the Solar Cattail Light

Although the Solar Charging Panel must be placed in a location that receives at least 6-8 hours of direct sunlight each day, the Solar Lights can be positioned in shaded areas of your garden.

The light sensor, which automatically activates the Cattail Light at dusk, is located on the Solar Charging Panel and not on the individual Solar Cattail Light. Therefore, The Cattail Light can be positioned near night time light sources such as street and porch lighting.

Note: To prolong the life of your Solar Cattail light and reduce the risk of corrosion, install all components away from salty, corrosive or highly fertilized areas.

Before First Time Use of the Solar Cattail Light

1. This Solar Cattail Light includes a pre-installed rechargeable battery. **The battery will need to be fully charged before first time use.**

2. Locate the ON/OFF switch on the underside of the Solar Charging Panel (see below) and ensure that it is in the OFF position.

3. Place the Solar Charging Panel in direct sunlight for 2 to 3 days to fully charge the battery. Charging the battery in partial sun

or on cloudy days will mean the Solar Cattail Light may not illuminate for more than a few hours.

4. Once fully charged, the Solar Cattail Light is ready to be connected to the Cattail Light (see below, "Cattail Light Assembly").

5. Once the Light is installed, press the ON/OFF switch to the ON position. Your Solar Charging Panel will automatically charge during daylight hours and illuminate the Solar Cattail Light at dusk.

Cattail Light Assembly

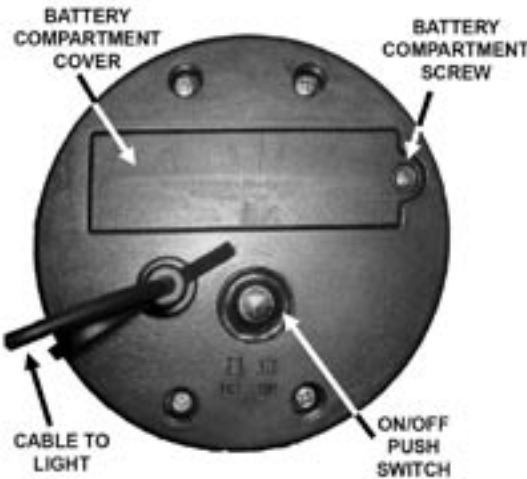
1. The top of the Light is made from glass and is fragile. Extreme care should be taken to avoid breakage. Carefully remove all fixture parts from their protective packaging. You should have a Cattail Light connected to a Solar Charging Panel with attached Ground Stake.

2. Place the Solar Cattail Light in the approximate position you want it located in your garden.

The Solar Cattail Light comes with 10 feet of cable to reach the Solar Charging Panel. Ensure that when placing your Cattail Light you consider the position of the Solar Charging Panel, making sure that it will be located in an area that receives at least 6-8 hours of direct sunlight each day.

3. Carefully insert the pointed end of the Solar Cattail Light Fixture into the ground* until the horizontal stake arm is fully flush with the ground.

DO NOT push the top glass section of the Cattail Light as it is fragile and can easily break.
***Note: If the ground is hard and packed, moisten the ground before inserting the**

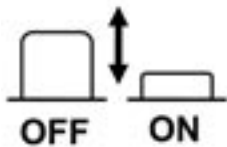


Ground Stake to avoid breaking the stake. You may gently step on the horizontal stake arm and push down until the stake arm until fully flush with the ground.

4. Carefully insert the pointed end of the Charging Panel Ground Stake into the ground* until the stake is firmly self-supported in the ground. *Use a rubber mallet (not included), if necessary, to gently tap the ground stake into the ground until the desired depth is reached.

Note: If the Solar Cattail Light does not turn on after 24-36 daylight hours of charging, check the following:

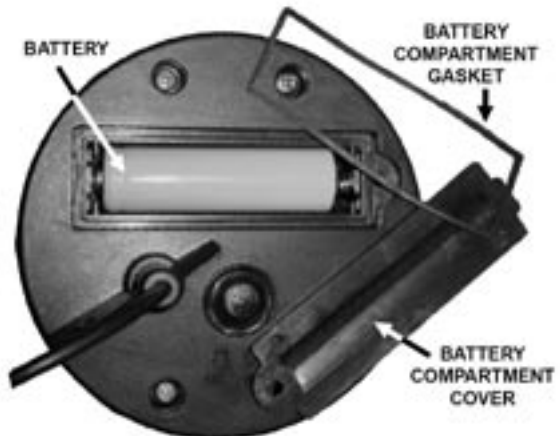
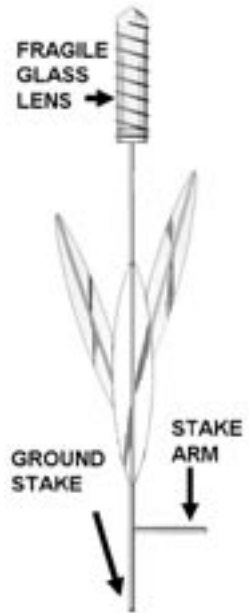
- Ensure the power switch on the Solar Charging Panel is pressed to the ON position.



- Ensure the Solar Charging Panel has been charged in a direct sunlight location and not in a shaded area during the daytime.

Replacing the Battery

1. Remove the Solar Charging Panel from the ground.
2. Press the power switch to the OFF position.
3. Unscrew the four (4) screws to remove the back cover of the Solar Charging Panel.
4. Gently pry open the cover to locate the battery compartment.



5. Remove the old battery and replace it with a new rechargeable 600 mA/Hr Ni-Mh AA battery. You may replace the used battery with a higher capacity battery such as a 900 mA/Hr battery but not a lower capacity battery.

6. Ensure that the + and - terminals of the battery have been inserted correctly as indicated.

7. Replace the cover, ensuring the switch is aligned with the switch opening in the cover.

8. Insert the four (4) screws removed in step 3 and tighten.

9. Gently push the assembled Solar Charging Panel back into the ground.

10. Repeat steps in the “Before First Time Use of the Solar Cattail Light” section to ensure the new battery is fully charged.

Note: Properly dispose of the used battery. Do not dispose by general household refuse. Consult your local municipality for correct disposal or recycling of rechargeable batteries.

Cleaning and Care Instructions

For best results, wipe the surface of the Solar Cattail Light with a damp sponge or rag and a mild detergent to remove any dirt. Store the Cattail light indoors during freezing weather or when not in use.