

SOLAR LIGHT INSTALLATION LOCATIONS

October 2021

American Solar Electric (ASE) builds some of the best Solar Lights in the world.

They work best because they have 3 solar panels pointing in 3 directions East, South and West. This allows them to work 3 times better in shaded areas or places where buildings partially block the sun harvesting from 1 or 2 of the solar panels. This gives 3 opportunities to harvest the radiant direct sun hours. Solar panels need direct “Radiant Sun” shining on them to sufficiently charge the battery, not just day light. You can see that location is very important.

Over our 15 years of experience with residential communities and commercial city installations we have classified these installation locations into 4 categories. Number 1 works best and number 4 does not work.

- 1.) Perfect- In direct radiant sun, no shade issues with all 3 panels harvesting the sun all day. There are no trees or buildings between the Light and the sun in Winter or Summer. These should work 365 days a year in the sunbelt area of USA.
- 2.) Good- in the sun 50% of the day with at least 2 panels seeing direct radiant sun all year do to the placement of the light in relation to buildings and trees. These should work most every day of the year.
- 3.) Challenged-Where the sun may not shine on the panels in the Winter months from November-February and the lights may not work. These work perfectly the other 8 months of the year. These are usually on streets that run east and west with the lights on the south side of the street. The Winter sun drops very low in the sky and trees or 2 story buildings block the sun if they are south of the installed light or on two sides of the light. It is common in Winter months to have over 50% or more of these lights out. Then in spring they are back on for 8 or 9 months working perfectly.
- 4.) Poor- Where the lights are installed completely in the shade, under trees or blocked by Tall buildings all year long so that NO sun or only 1 hour a day of direct radiant sun can reach the solar panels. These have little or no chance to work all year other than maybe an hour or 2 in the summer months.

This installation is much like installing a normal AC street light but not hooking it up to the electric grid. .It cannot be used. It cannot work and will never work until you connect it to the AC Grid for power. Solar lights must be placed in the sun. No sun, No power, no light . Very simple.

PARTS WARRANTY

ASE has extensive component testing. We test and retest all of our components very carefully but occasionally ,rarely, some electronic parts fail. ASE warranties our manufacturing and will replace any failed parts with new ones including labor for our local installations.

ASE must see the installations with pictures or in person to make sure that the solar light is installed correctly and gets enough sun to work.

ASE prides itself on our design for easy maintenance. Once installed the light never needs to be removed from the pole for any maintenance.

From battery replacement, LED Bulb replacement or controller replacement, all these can quickly and easily be done on the pole. Most repairs take no longer than 15 Minutes from a ladder.

If a light has been installed correctly and is receiving enough sun but still is not working, then it is possible that there is a component problem.

Please just notify ASE and we will get the component replaced.