

HIGHLIGHT NPSL Installation Manual



Why us?

Innovative Technology

High-efficiency solar and advanced LEDs deliver superior performance, long life, and maximum ROI.

Photometric

We conduct photometric measurements on all our products to ensure optimal performance and compliance with industry standards

Versatile Lightning

We designs and install solar-powered lightning systems tailored for all kind of locations such as streets, parks, pathways, homes, etc.

Global Reach

Worldwide success proves our adaptability and regulatory expertise.

Sustainable Savings

These solutions enhance safety, promote sustainability and providing significant energy and cost saving.

Warranty

SolarPath is dedicated to delivering architectural and commercial-grade solar lighting that can be customized to meet specific client requests, both in technical specifications and aesthetic design, ensuring a perfect fit for a diverse range of needs.

User Manual

Important Safety Information

Save this Instruction

This manual contains important safety installation and operating construction.

The following symbols are used in this manual to indicate potentially dangerous conditions or mark tent safety instructions.



WARNING : Indicate a potentially dangerous condition.
Use extreme caution when performing this task.



CAUTION : Indicates a critical procedure for safe and proper operation of the controller.



NOTE : Indicates a procedure of function that is important for safe and proper operation of the controller.

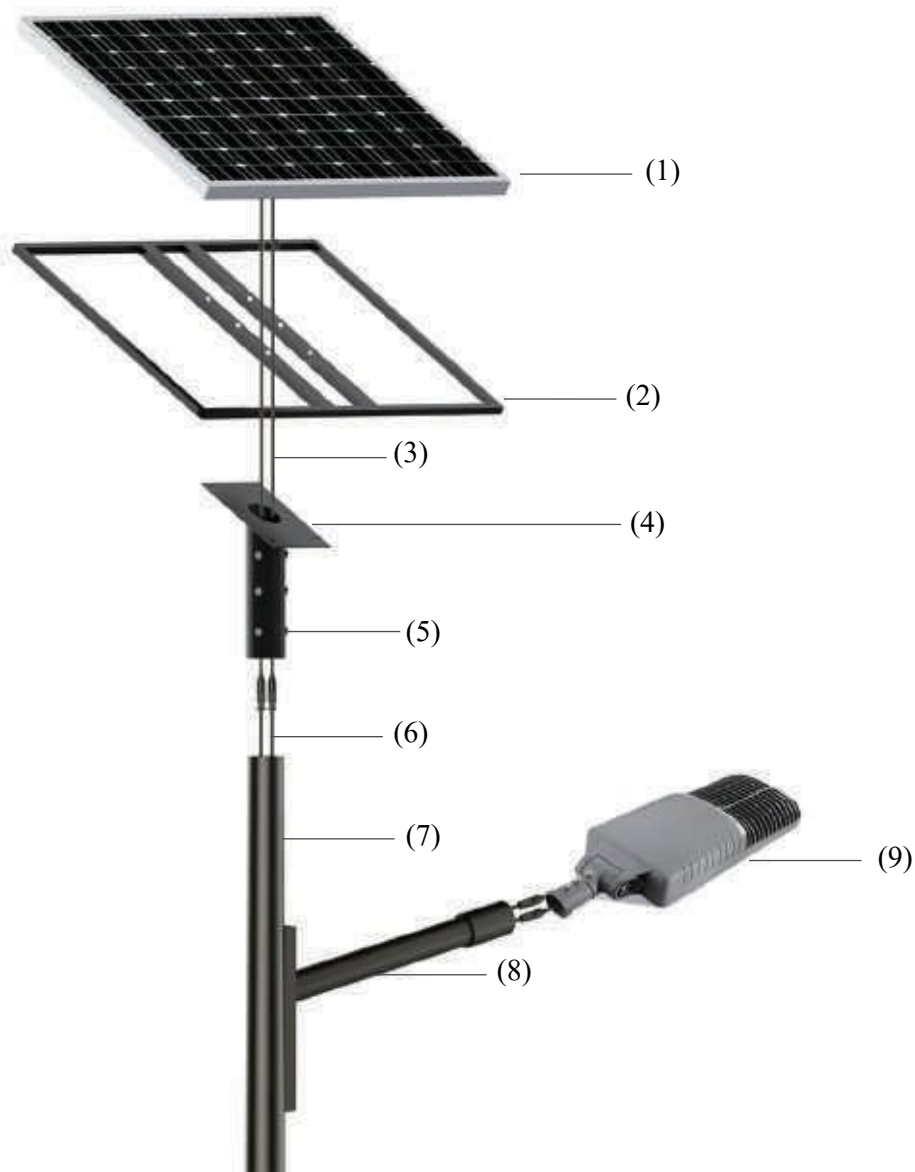
General Safety Information

- Read all the instructions and cautions in the manual before installation.
- There are no user serviceable parts inside the light.
- Do not disassemble or attempt to repair it.
- Disconnect the solar module to an unmount the light if required.
- Connector connections must remain tight to avoid excessive heating from a loose connection.

Packaging Details (Only when provided as full set)

- | | | | |
|----|------------------------------|---|-----------------------------------|
| 1. | LED Light | : | 1 piece in 1 Box |
| 2. | Solar Panel | : | 1 piece in 1 Box |
| 3. | Light Arm | : | 1 set with screws in 1 box |
| 4. | Adapter Bracket | : | 1 set with screws in 1 box |
| 5. | Light Pole with Anchor Bolts | : | poles with anchor bolts in 1 Pack |

Installation Instruction- Set Up



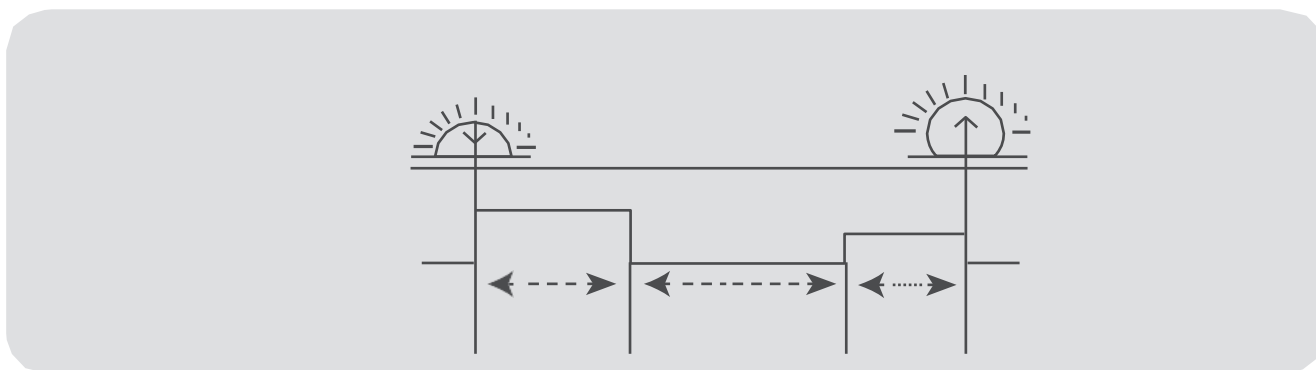
- 1) Solar Panel
- 2) Bracket
- 3) Cable from solar panel
- 4) Pole adapter
- 5) Screws
- 6) 2M cable adapter
- 7) Steel Pole
- 8) Light arm
- 9) Light head

Installation Instruction

1. Mounting- (1) Solar Panel to- (2) bracket with screws tightly.
2. Let- (3) MC4 cables go through- (5) pole adapter.
3. Insert- (4) MC4 cable adapter from top of pole and get it out from the side hole of (7) steel pole
4. Put the MC4 cable adapter into (8) light arm from A side to B side
5. Fix (8) light arm to (7) steel pole by screws
6. Connect the MC4 connectors of (3) MC4 cables from solar panel to the MC4 cable adapter. Plug in and make it tight.
7. Put (5) pole adapter (panel and bracket are fixed on .pole adapter already) on (7) pole and make it tight enough by screws.
8. Insert the -(7) MC4 plugs into -(6) pole support.
9. Fix- (9) light head on- (8) light arm and tight it with screws.
10. Check every parts are connected and fixed properly. And finally push ON the button of light head to turn on system.



Working Mode & ON and OFF Time



The light turned on at dusk with the pre-programmed setting function and work counties till dawn. The ON and OFF functions are controlled automatically by the built in charge controller with light sensitive timings. At sunset NTTV (Night Time Threshold Voltage) goes less than 7 Volts from the solar panel, the lights will turn ON. In the morning, the DTTV (Day Time Threshold Voltage) from the panel reaches 7 Volts the lights will turn OFF.

The system also comes with a manual switch for manual operation for testing purposes.

Operation Method

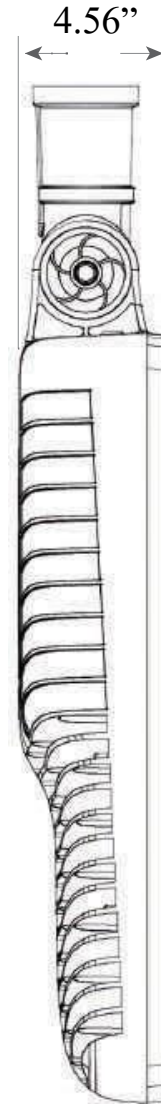
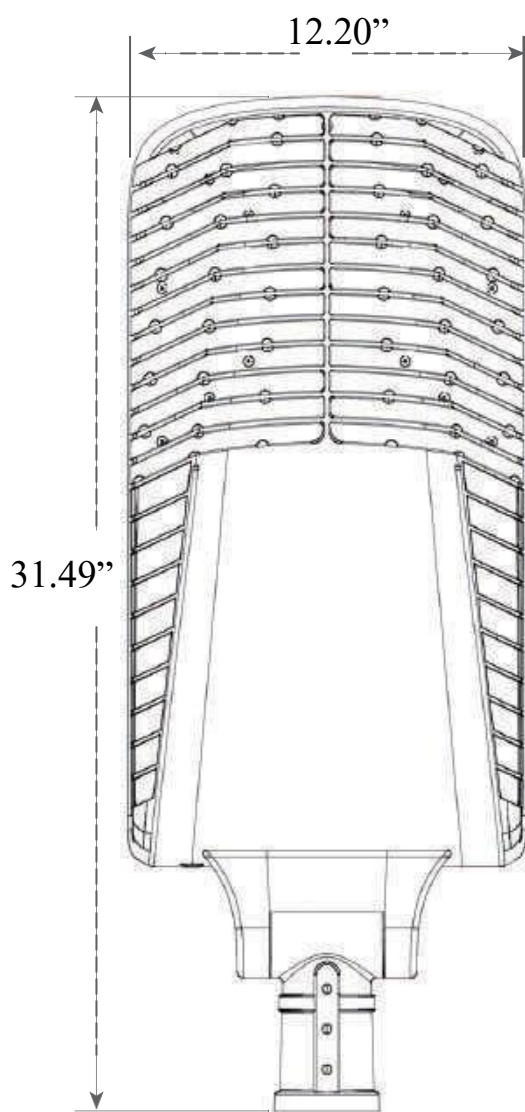


1. Once the installation is complete, plug the MC4 connectors in the Light to the solar panel.
2. Press the power button on the light fixture to the ON position to make the light run on automatically after sunset (Lighting mode is set dusk to dawn mode as default by factory before delivery).
3. The smart solar LED light is now ready for use.
4. You can also use remote control to change the lighting modes or brightness incase required. The lighting time can be selected easily by the remote controller.
5. Press the power button to the OFF position to turn OFF the light, the light will stop working, for the maintenance and transport.
6. Do not remove or dismantle the MC4 for connectors or try to plug in the light as the polarity can go wrong IN CASE OF DAMAGE OF LIGHT.
7. Do not open the light fixture by unauthorized persons, can affect the IP rating of the fixture and void the warranty.



- There is a ONE minute delay for ON/OFF function.
- The light will turn off after one minute once the panel is disconnected or at sunset.
- The light will turn on only after one minute once the power on button is pressed.

Light Fixture Dimensions



Solar Panel Maintenance Instructions

Safety First – CAUTION NOT TO SCRATCH THE PANEL SURFACE AND ALSO NOT TO DAMAGE THE CABLE AND THE CONNECTOR

Materials Required

A good quality soft brush
Squeegee with a plastic blade
Cleaning Agent – Liquid Soap
Use a hose with a suitable nozzle to allow the stream of water to reach the panels if a water source is possible to get at the location or use the normal pressure sprayer



Cleaning process

Running water or wet the Surface

Remove the dust with the soft brush. Once the dust is removed, you can apply water on the panel surface. If you have a pressure sprayer, it will be an easy option or a running water source to wash the panel surface.



Apply Soap water ONLY if Caked Stains

Apply Soap water gently if there is caked stains or bird droppings on the panel surface. IF THERE IS NO Caked stains, just running water is enough and go to the next step.

Wipe of the soap and excess water.



Wipe of the soap and excess water

Wipe of the soap and excess water using the rubber/plastic soft squeegee or wiper with a plastic blade and leave it for dry.

Solar Panel Maintenance Instructions

Tips for cleaning solar panel glass

For safety reasons, it's also wise to clean your panels from the ground if possible. A good quality soft brush and a squeegee with a plastic blade on one side and a cloth covered sponge on the other coupled with a long extension can make for the perfect tools allowing you to stay on the ground.

Options



A long extension pipe is a perfect too allowing you to stay on the ground.



Use a hose nozzle to allow the stream of water to reach the panels.

Clean your panels on an overcast day, early in the morning or in the evening. If the sun is beating down on the panels, any water used can quickly evaporate and dirt will become smeared.

Early morning can be a particularly good time for cleaning as dew that has settled on the panels overnight will likely have softened grime; meaning you'll need to use less water and less energy to clean your solar panels.

If the panels are dry, before tackling the modules with water, brush off any loose materials first - this will make cleaning easier and faster.

DONT'S



Don't use metal objects or harsh abrasive products for removing caked on materials - scratching the glass a solar panel can affect its performance as scratches will cast shadows.

Avoid using detergents if possible as these may streak the glass of the panel. Use of abrasive powders also risks scratching the panels.

Given the nature of good quality solar panel glass, clean water and a little scrubbing with a coarse cloth covered sponge or soft brush should remove the most stubborn grime.

Cleaning Interval

The cleaning interval is recommended once in two months at normal weather conditions.



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