

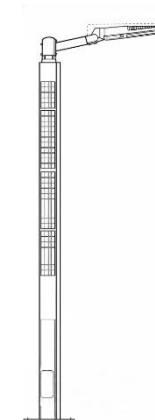
Safety & Maintenance

- Always ensure the power is switched off and allow the LED fixture to cool completely before carrying out any maintenance, cleaning, or adjustments.
- This product must be installed and serviced by a properly qualified and licensed electrician.
- Ensure the product is properly installed and confirmed safe for operation before reconnecting the electrical supply.
- Always use clean gloves when handling the fixture to prevent fingerprints, stains, or surface contamination.
 - Use microfiber cloths to remove dust.
 - Use a cleaner with antistatic properties for fingerprints and spots.
- Prevent flammable materials from accumulating on the luminaire housing.
- Prevent water or any other liquid from accumulating on the luminaire housing.
- Do not dispose with normal waste.



INSTALLATION & MAINTENANCE MANUAL

LED SOLAR STREET LIGHT



Installation instructions

- Open the package, remove the fixture and all accessories, verify the package include the mounting bracket, anchors or bolts, (if applicable), Allen key, screws and connectors; place them on a clean flat surface in view until installation is complete, and ensure the necessary tools (e.g., screwdriver, drill with bit, level, ladder, electrical tester) before proceeding.

Wiring the fixture:

- Connect the Luminaire light (load) by cable to the MPPT controller. The cables should have been stripped of 8mm of insulation and inserted into the terminals, observing the correct polarity. (Red is positive “+”, Black is negative “-”) (Refer to image 2).
- Observe correct polarity throughout the system - connect negative to negative and positive to positive.
- The supplied cable has special connectors pre-installed on both ends — do not remove or cut them. These connectors are designed for connecting to the solar modules.
- For this reason, start by running the solar module cables to the charge controller, but do not connect them yet. First, make sure the battery and lights are connected.
- It is recommended to route the cables to the solar modules but leave them unplugged until the very end to prevent sparks or potential damage.

Installation:

- Remove the screws from the luminaire arm.
- A dedicated wire extends from the pole to establish the electrical connection for the luminaire. (Refer to image 1)
- Fix the Luminaire to the pole and connect it properly. (Refer to image 3)
- Ensure the luminaire is properly aligned and stable before completing the installation.
- Take the dimensions of the base plate and securely fix it onto the installation surface. (Refer to image 4)
- Lift the pole vertically and place it. Connect the battery connection properly as per the diagram shown. (Refer to image 5)
- Place the battery properly in the cut-out box, and securely close the lid. (Refer to image 6)

Installation Diagram

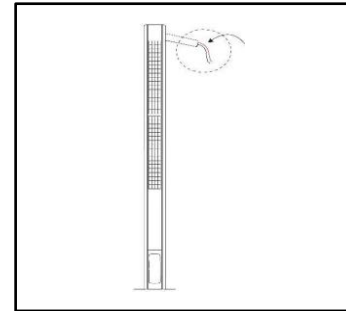


IMAGE 1

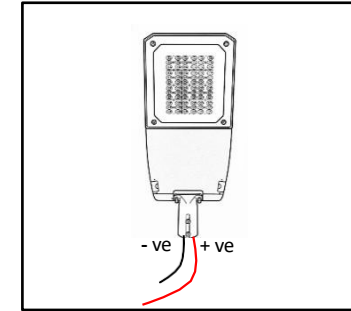


IMAGE 2

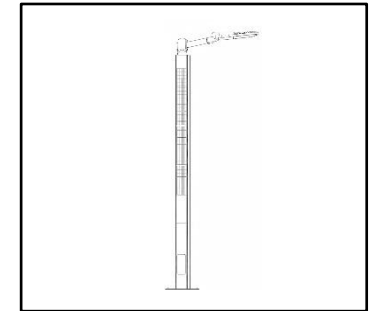


IMAGE 3

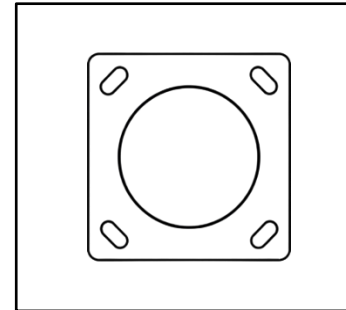


IMAGE 4

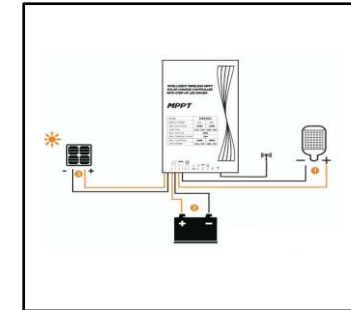


IMAGE 5

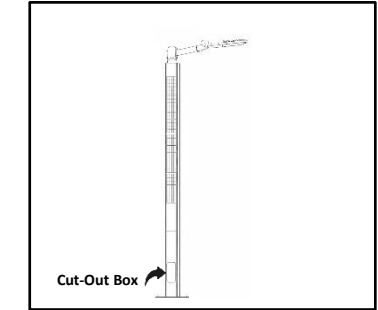


IMAGE 6

Dos and Don'ts

- **Install in Full Sunlight:**

Always position the solar panel in an open area with maximum sunlight exposure and no shading throughout the day.

- **Follow Correct Polarity and Wiring:**

Connect cables as per the wiring diagram, ensuring correct polarity to prevent damage to the controller or battery.

- **Secure All Components Properly:**

- Tighten bolts, brackets, and clamps firmly to ensure stability and safety against wind or vibration.

- **Keep Panels and Components Clean:**

Regularly clean the solar panel surface and check for dust, bird droppings, or debris that may affect performance.

- **Avoid Shaded or Obstructed Areas:**

Do not install panels near trees, poles, or buildings that may block sunlight and reduce system efficiency.

- **Prevent Electrical and Water Damage:**

Do not allow water or moisture into the battery box or junction box, and avoid using damaged or undersized cables.

- **Avoid overtightening fasteners when mounting the luminaire, as excessive torque can damage the fixture or cause fastener failure.**

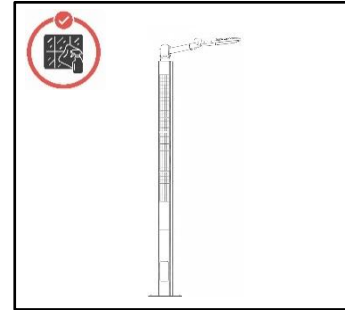


IMAGE 7



IMAGE 8

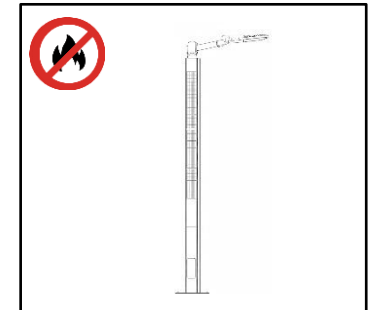


IMAGE 9