



Suncharge 36W
With Built-in Li-Ion Battery

ART3003



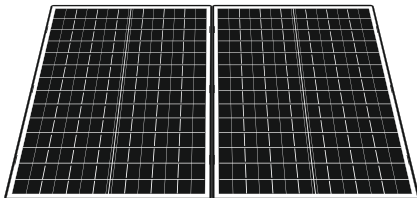
User Manual

Please read the Quick Guide carefully before using the solar

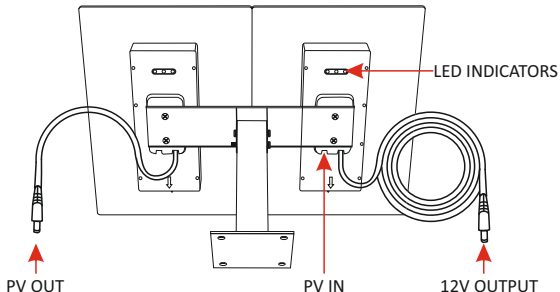
About This Product

This 36W solar panel assembly is designed to supply reliable power to compatible 12V DC low-power electronic products such as outdoor CCTV cameras and related accessories. The assembly consists of two solar panels, mounting hardware, and a metal stand for outdoor installation.

Top View



Bottom View

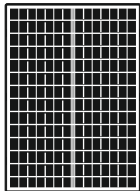


2. Key Specifications

Parameter	Details
Product Type	36W Solar Panel assembly
Panel Configuration	2 Solar Panels with interconnection
Recommended Load	12V DC product up to 1A max output, subject to sunlight and battery/charger configuration
Typical Use	Outdoor CCTV camera / low-power 12V DC device
Mounting	Metal stand with mounting plate and M10 anchor fasteners
Output Connection	PV OUT of first panel to PV IN of second panel as shown in installation steps

Note: Actual power generation and backup performance depend on sunlight intensity, installation angle, shading, battery capacity, device consumption, and local weather conditions. Verify suitability with the target product before field deployment.

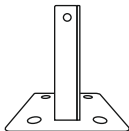
3. In The Box



Solar Panels x
2 no



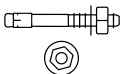
Metal Mounting for
Solar Panels x 1 no



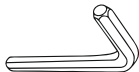
Metal Stand x
1 no



Anchor Fastener
Bolt M10 x 4 no



Allen Bolt
M5 x 50 mm x 2 no



Allen Key 5 mm
x 1 no



Pan Head
Screw 6 mm x 4 no



User Manual
x 1 no

4. Safety and Installation Precautions

1. Install the solar panel only on a strong and stable wall, pole bracket, or concrete surface suitable for outdoor mounting.
2. Avoid shaded areas. Keep the panel facing the direction with maximum sunlight exposure.
3. Do not connect to any load higher than the specified output rating.
4. Tighten all fasteners properly. Loose mounting may cause vibration, panel movement, or damage in wind.
5. Do not pull or sharply bend the DC cable. Keep connectors protected from water ingress.
6. Disconnect the load before installation or maintenance work.
7. Use suitable PPE and safe ladder/work-at-height practices during outdoor installation.

5. Assembly Procedure

Step 1: Place the solar panels

Place both solar panels horizontally on a clean, flat surface with the rear side facing up.

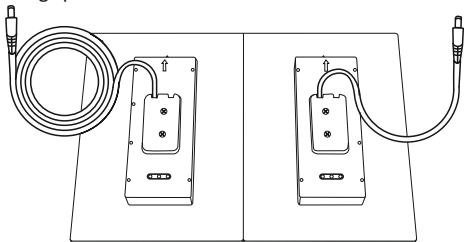


Figure 2: Place two solar panels on a flat surface

Step 2: Position the metal mounting plate.

2. Place the metal mounting solar plate across both solar panels as shown. Align the plate holes with the panel mounting points.

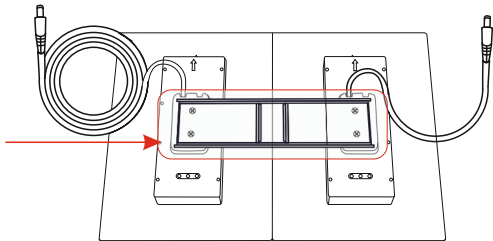


Figure 3: Positioning of metal mounting solar plate

Step 3: Fix the mounting plate using pan head screws

3. Insert and tighten the pan head screws to secure the mounting plate to both panels.
4. Ensure that the mounting plate is firmly fixed and no screw is loose.

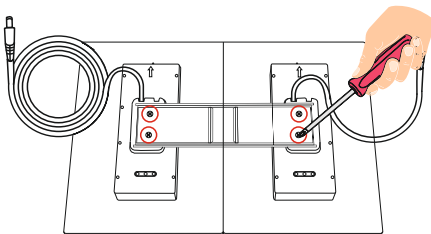


Figure 4: Tightening the mounting plate screws

Step 4: Install the metal stand

5. Insert the metal stand between the clips of the metal mounting solar plate.

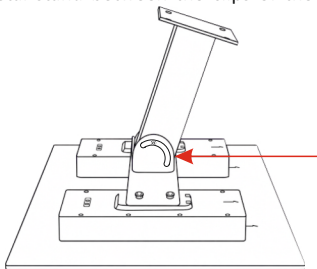


Figure 5: Inserting metal stand between mounting plate clips

6. Match both holes of the metal stand with the holes of the mounting plate and insert both Allen bolts M5 x 50 mm.

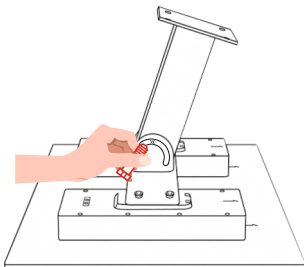


Figure 6: Allen bolt placement

7. Set the required installation angle and tighten the Allen bolts using the 5 mm Allen key.

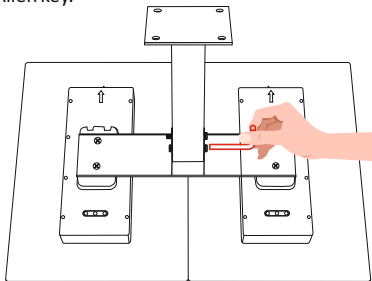


Figure 7: Angle setting and tightening

Step 5: Drill and fix anchor fasteners

8. Mark the wall or mounting surface as per the four holes of the metal stand base plate.
9. Drill four holes using a 10 mm drill bit, then clean the holes to remove dust and debris.

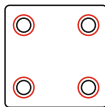


Figure 8: Stand base hole marking

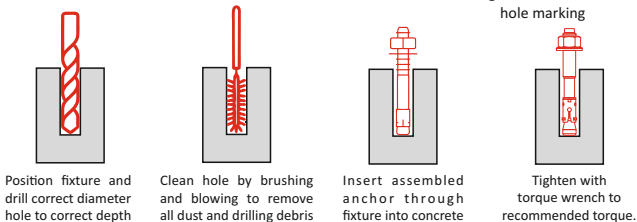
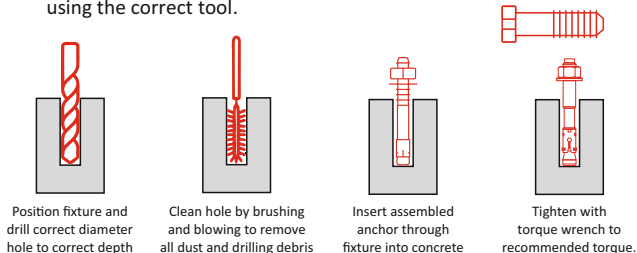


Figure 9: Drill and clean the anchor hole

10. Insert the M10 anchor fastener into the drilled hole and set it using the correct tool.



Place the metal stand base on the installed anchor fasteners and tighten all bolts securely.

11. Place the metal stand base on the installed anchor fasteners and tighten all bolts securely.

Step 6: Connect PV OUT to PV IN

12. Identify the DC jack marked PV OUT on the first solar panel.
13. Connect PV OUT of the first solar panel to the DC jack marked PV IN on the second solar panel.
14. After connection, route the cable safely so that it does not get pulled, cut, or exposed to sharp edges.

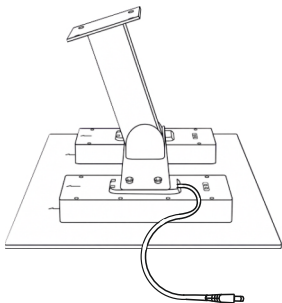


Figure 11: PV OUT connector

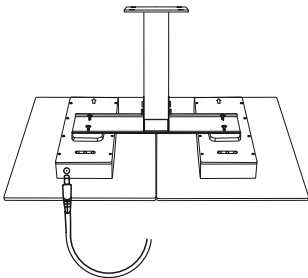


Figure 12: PV IN connector

6. Final Installation Checklist

1. Both solar panels are firmly fixed to the metal mounting plate.
2. Metal stand and angle bolts are tightened properly.
3. Four M10 anchor fasteners are installed and tightened on a strong surface.
4. PV OUT and PV IN connection is completed correctly.
5. DC output cable is routed safely and protected from water and mechanical damage.
6. Panel surface is clean and free from shading.
7. Connected device load is within the product rating.

7. Maintenance Guidelines

1. Clean the panel surface periodically using a soft cloth. Do not use sharp tools, abrasive or chemicals.
2. Inspect mounting bolts and cable condition during service visits.
3. Regularly remove dust, bird droppings, leaves, or objects blocking sunlight.
4. Check output performance after heavy rain, strong wind, or physical impact.

8. Troubleshooting

Issue	Possible Cause	Action
Low or no output	Shading, loose connector, dirty panel, low sunlight	Clean the panel, verify sunlight exposure, and check PV OUT / PV IN and load connection.
Device backup is low	Device consumption is high or sunlight is insufficient	Verify device current consumption and battery / charger configuration before claiming backup time.
Panel is moving / vibrating	Loose screws or anchor fasteners	Relighted mounting screws, Allen bolts, and anchor fasteners.
Water entry near connector	Connector not protected or cable routed incorrectly	Re-route cable, ensure drip loop, and protect connector area as per installation practice.

9. Document Control

Document No.	Revision	Effective Date	Classification
WEIPL / DOC / Manual / 01	00	28/05/2026	Artifax-Internal

Dear Customer,

The Ministry of Environment and Forest and Climate Change have published The E-waste (Management) Rules 2022, which came into effect from 1st day of April 2023.

E-waste means electrical and electronic equipment, including solar photo-voltaic modules or panels or cells, whole or in part discarded as waste, as well as rejects from manufacturing, refurbishment and repair process. These rules shall apply to every manufacturer, producer, refurbisher, dismantler and recycler involved in manufacture, sale, transfer, purchase, refurbishing, dismantling, recycling and processing of e-waste or electrical or electronic equipment listed in Schedule-I the rules including their components, consumables, parts and spares which make product operational but shall not apply to

- (a) Waste batteries as covered under the Battery Waste Management Rules 2022
- (b) Packaging plastics as covered under the Plastic Waste Management Rules 2016
- (c) Micro enterprises as defined in the Micro, Small and Medium Enterprises Development Act, 2006
- (d) Radio-active wastes as covered under the provisions of the Atomic Energy Act, 1962 and rules made thereunder.

Under these rules, specific roles and responsibilities are defined for manufactures, substance contained in such wastes. Rule 6 of the E-waste (Management) Rules 2022 inter alia states that the producer of electrical and electronic equipment listed in Schedule -I shall be responsible for creating awareness through, media, publications, advertisements, posters or by any other means of communication.

Rule 16 of the E-Waste (Management) Rules 2022 states reduction in the use of hazardous substances in the manufacture of electrical and electronic equipment and their components or consumables or parts or spares and every producer shall comply with the requirements under the rule.

All consumers of electrical and electronic equipment irrespective of their status as bulk consumers or not, shall ensure that e-waste generated by them is channelized through registered recyclers or is returned to the pickup/take back services provided by the producers and recyclers. Please refer to our website <https://trueview.co.in/e-waste-handling/> for more details on registered recyclers and collection centers/pick up points of the company.

All our products intended to be recycled under the category of e-waste (as defined above) carry a label or symbol of a wheellie bin with a cross, which states that it falls under the hazardous waste category and is not to be disposed of along with normal garbage.



We seek your support in ensuring environmentally sound management of e-waste and aid us in sustaining our earth's natural resources and maintaining the earth's green cover intact for the benefit of our future generations.

SAFETY INSTRUCTION

These instructions are intended to ensure that the user can use the product correctly to avoid danger or property loss.

The precaution measure is divided into 'Warnings' and 'Cautions':

Warnings: Serious injury or death may be caused if any of these warnings are neglected.

Cautions: Injury or equipment damage may be caused if any of these cautions are neglected.



Warnings: Follow these safeguards to prevent serious injury or death.



Cautions: Follow these precautions to prevent potential injury or material



Warning

- Please adopt the power adapter which can meet the safety standards.
- To reduce the risk of fire or electrical shock, do not expose this product to rain or moisture.
- This installation should be made by a qualified service person and should conform to all the local codes.
- Please install blackouts equipment into the power supply circuit for convenient supply interruption.
- Please make sure that the ceiling can support more than 50(N) Newton gravities if the camera is fixed to the ceiling.
- If the product does not work properly, please contact your dealer or the nearest service center. Never attempt to disassemble the camera yourself. (We shall not Network Camera User Manual assume any responsibility for problems caused by unauthorized repair or maintenance.)



Cautions

- Make sure the power supply voltage is correct before using the camera.
- Do not drop the camera or subject it to physical shock.
- Do not touch sensor modules with fingers. If cleaning is necessary, use a clean cloth with a bit of ethanol and wipe it gently. If the camera is not to be used for an extended period of time, cover the lens to protect the sensor from dirt.
- Do not aim the camera lens at the strong light such as sun or incandescent lamp. The strong light can cause fatal damage to the camera.
- The sensor may be burned out by a laser beam, so when any laser equipment is being used, make sure that the surface of the sensor not be exposed to the beam.
- Do not place the camera in extremely hot, cold temperatures (the operating temperature should be between -20°C to +60°C, relative humidity under 95%) dusty or damp environment, and do not expose it to high electromagnetic radiation.
- To avoid heat accumulation, ensure there is good ventilation to the device.
- Keep the camera away from water and any liquids.
- While shipping, pack the camera in its original, or equivalent, packing materials. Or packing the same texture.
- Improper use or replacement of the battery may result in hazard of explosion. Please use the manufacturer recommended battery type.

