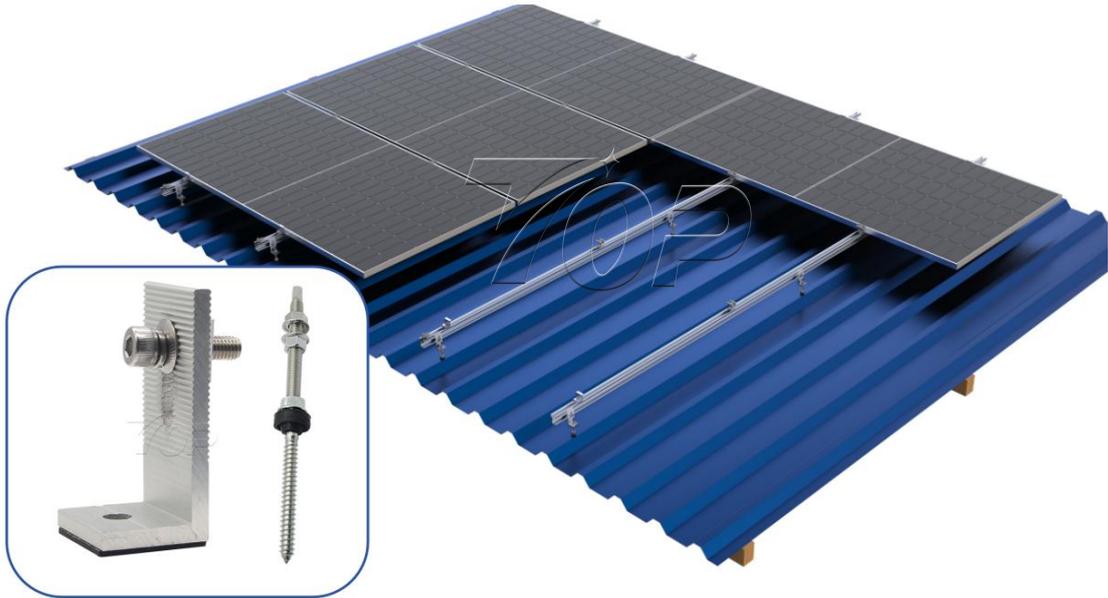


## Solar L Feet For Roof Mounting System

TOPEnergy produced industrial grade [Solar L Feet Roof Mounting Kits](#) provide a robust, lightweight, and efficient solution for solar photovoltaic (PV) panels installation on all types of metal roofs. The Module designs with pre-assemble are specially for durability and easy installation. This system is ideal for both commercial and residential solar projects. Good for reliable performance and compliance with international standards.



Solar L Feet Roof Mounting Kits is designed from TOPEnergy with top priorities of installer efficiency and roof integrity. These robust aluminum L-feet kits provide a secure connection to the metal roof structure. The design ensures strong load distribution and compatibility with various roof profiles.

### Roof Mounting Kits Composition

L-feet Aluminum kits

T-slide Nuts

Self-tapping screws (optional)

Aluminum B46 Rails

Double threads screws



Our Metal Roof Mounting System is engineered for a wide array of

solar PV applications. It is providing stability and maximizing energy output even on the limited metal roof.

#### **Aluminum Material**

Lightweight performance, Anti-corrosion and anti-rust design, meet for open areas under complex weather situation.

#### **Meet to Commercial and Industrial Applications**

No matter the site is large scale commercial buildings, warehouses, or industrial facilities with metal roofs, this system could stable and firmly secure solar panels for over 25 years service life.

#### **Good for Residential Roofs Mounting**

L-foot base could offer homeowners the solution for integrating solar panels, contributing to energy independence and reducing electricity bills.

#### **Optimized Structure for fast and easy installation.**

L feet is one of the optimized solution. Saving labor cost and installation time.

#### **Wind and Snow Load Compliance**

L feet based structure is engineered to meet local and international building codes for wind uplift and snow loads. Stable system is ensuring the long term safety and stability of your solar installation.



#### **Installation Indication**

**Verify Roof Structure** first to confirm the metal roof types, and inspecting the purlins, rafters positions to ensure it can safely bear the additional load of the solar array.

#### **Layout and roof structure design**

TOPEnergy will design the panel array layout, and make the precise locations for the L-feet. Ensure adequate spacing between L-feet according to engineering specifications to distribute loads evenly and accommodate rail spans.

And L feet structure is positioned on the purline, rafters to safely support the rails on rooftop, with the purpose of laying the solar panels.

#### **L-feet Installation**

Positioning the L feet on rooftop. Place the L-feet Aluminum kits at the pre-marked locations, ensuring they are aligned to support the rail system correctly.

### Secure Fastening

Use the provided self-tapping screws to securely fasten the L-feet directly into the metal roof sheeting, the integrated EPDM washers and sealing washers are properly compressed during tightening to create a durable, watertight seal against moisture ingress.

### **Rail Mounting**

Connect the Aluminum B46 Rails to the installed L-feet using the provided rail clamps and bolts. And also could be mounted by sliding rails onto the T-slide nuts on the top part of L-Feets. Ensuring rails are level and parallel.

### **Solar Panels Laying**

Placing the solar panels onto the Aluminum B46 Rails, then fastening those panels with panel clamps. End clamps put at the end of two sides, Mid clamps posted between panels at the middle.

### **Real Application Case**

