



Manufacturing Partner



Let's make
the future brighter



SOLAR MOUNTING SYSTEM

100% customisable | Ground mounted | Roof mounted | BIPV | Solar tracking

ABOUT OUR SOLAR MOUNTING SYSTEMS

Our mounting systems are designed for simplicity, flexibility, reliability and ease of configuration and installation. They're just one aspect of the complete solar installation services offered by BSL Eco Energy – so don't hesitate to ask us about our other solutions.

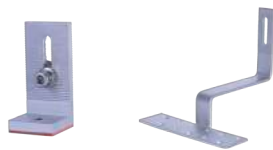
- We provide complimentary consultations with our in-house engineering team to design and manufacture custom mounting systems to suit your needs and budget.
- Local manufacturing guarantees quick after sales service and parts replacements.
- Our products are made with high quality extruded aluminium and stainless steel, ensuring corrosion resistance and long life span.
- Our mounting systems are backed by 10 year warranties, with extended warranties available.
- Suitable for residential, commercial, solar farms or large scale solar installations ranging from 4kW to 150MW.

CUSTOMISABLE COMPONENTS

BSL Eco Energy designs and manufactures the complete range of parts for solar PV mounting system, which can be customised to meet your needs. A typical system would consist of the parts highlighted in the diagram below.



1 Roof Mounts



Roof mounts are used to secure the solar framing to the roof and are suitable for steel or tile-roofed buildings

2 End Clamps



End clamps are used to secure solar modules to the end of the array, and are adjustable to cater for varying thicknesses

3 Mid Clamps



Adjustable mid clamps are used to secure solar modules together in the array

4 Rail



Each panel row is held in place with custom designed parallel rails made with quality extruded aluminium

5 Rail Joiner



Rail joiners can be used to extend rails as required by the quantity or width of the installed panels

WHY CHOOSE OUR SOLAR MOUNTING SYSTEM?



100%
customisable



Locally
manufactured



Immediate after
sales service



German
technology



Total solar
solutions provider

GROUND MOUNTED SYSTEM

Utility scale solar | Landfills | Large scale solar | Off grid systems



Ground mounted systems are often used on large commercial or utility scale arrays. Our meticulous project planning and precise execution combine to provide you with solar racking solutions that are tailored to the unique conditions of your location.

Our engineers consider many factors when determining the most reliable and cost effective foundation solution for your project, including pile testing, soil analysis, wind tunnel testing, applicable codes and loading considerations.

KEY FEATURES

- Rails are combined with steel pipes or mechanical tubing to create a cost effective structure capable of handling any site or terrain change.
- Simple installation with only a few structural components – no drilling, welding or heavy machinery required.
- Able to work on a variety of foundation options including concrete piers, driven piles and uneven ground.
- Supports all poly, glass and thin film modules.

ROOF MOUNTED SYSTEM

Residences | Office buildings | Warehouses | Factories | Transportation hubs



This is a highly popular option that utilises often unused space on roofs of existing buildings, both commercial and residential.

Our roof mounted system is engineered for the most common solar PV modules. We understand that every roof is different, which is why each system is fully customisable in accordance to roof pressure limits. All our solutions are reliable and designed for a long service life thanks to high quality weather-resistant materials.

KEY FEATURES

- Adaptable for both flat roof mounting and pitch roof mounting.
- Allows easy installation on tile roofs, metal roofs, concrete roofs and slate roofs.
- Designed to resist strong wind and thunderstorms.
- Strict quality control in accordance with ISO standards ensures optimum strength and long life.
- Supports a wide range of solar panel tilting angles.

BUILDING INTEGRATED PHOTOVOLTAIC (BIPV) MOUNTING SYSTEM

Outdoor car ports | Roof or walls of existing buildings



Also called retrofitted mounting, solar modules are integrated into the roofing or exterior building skin. The PV modules then replaces conventional construction materials such as glass or tin roofs whilst performing the additional function of generating energy. BSL Eco Energy specialises in using solar PV as roof and wall replacements and outdoor car ports.

When designing a BIPV our priority is creating the most functional and cost effective solar installation possible.

KEY FEATURES

- Can be produced to exact dimensions to fit the space available, to provide a flush installation to surrounding tiles.
- Dual systems for ingress protection.
- Cost of standard roof coverings (eg roof tiles or slates) can be offset by the solar system, causing a quicker return on investment.
- Customisable heights according to function of installation.
- Multiple coating options include epoxy coating and hot dipped galvanized coating.

ABOUT BSL ECO ENERGY AND BSL INDUSTRIES

BSL Eco Energy is one of Malaysia's top photovoltaic (PV) solar energy solution providers, with extensive experience in the building, operation and maintenance of solar installations across the nation.

BSL Eco Energy and BSL Industries (BSLI) are subsidiaries of BSL Corporation Berhad, listed on the Kuala Lumpur Stock Exchange since 2005. BSLI is a total manufacturing solutions provider, and has provided electronic and original equipment manufacturing services to some of the world's biggest brands since being established in 1978.

BSLI's 25,500 sqm facility in Rawang, Selangor, incorporates the latest technologies in metal stamping, PCB assembly, forging and plastic injection moulding, and is perfectly complemented by support services such as procurement, warehousing and global logistic services.

Our processes are ISO 9001 and ISO 14001 certified, reflecting our commitment to excellence and continued improvement in efficiency, quality, cost and responsibility towards the environment.

CONTACT

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