

Product Details

System description

HQ Mount BR6 is an aerodynamic, lightweight aluminum mounting system for the solar flat roof system, using concrete ballast as commercial solar racking to mount photovoltaic pv panels to the roofs. BR6 ballast solar mount consist of the following solar components:

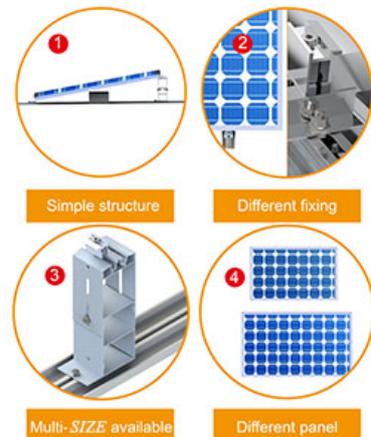
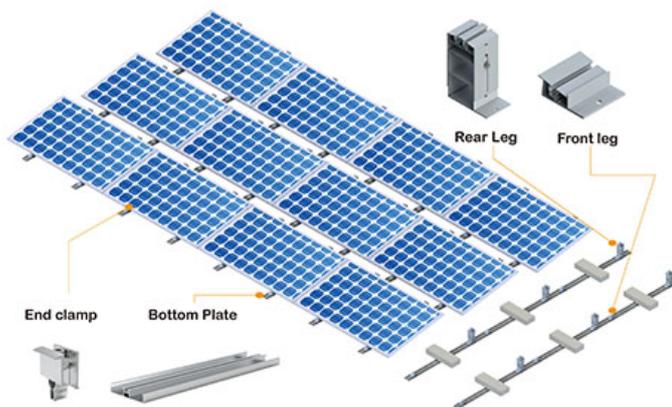
- 1, Solar plate (support and ballast)
- 2, Solar adjustable legs(solar support, 10degrees tilt)
- 3, Solar rapid clamps
- 4, solar accessories (Wind shelter, solar screws)

You can check our installation video shoot in our solar mounting factory, understand the quick installation of a ballast system in 45s:

<https://www.youtube.com/watch?v=FmLTk1Z5cy4>, in this video you can see how fast it can be installed with our rapid solar panel clamps and T bolt design.



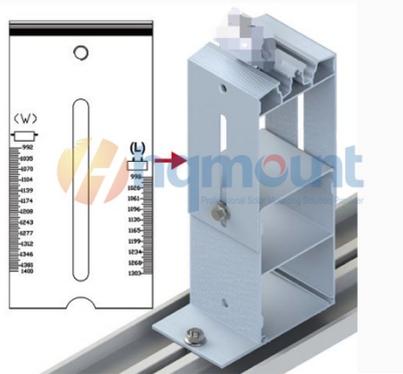
Ballasted Solution BR6



Advantages

10° Solar Adjustable Leg: This design allows for precise tilt optimization to maximize solar energy yield—a critical consideration our engineers prioritize for every east west solar racking layout. The 10-degree angle is the optimal balance between solar power generation and solar flat roof weight load.

Mark the scale position according to the panel size and fasten it



Universal System, Dual Configurations: The BR6 is a single, unified system that supports both facing south and high-density east-west solar racking. This versatility simplifies your supply chain and offers unmatched design flexibility for maximizing roof space.

Flexible Panel Fixing: The rapid clamp solution allows modules to be fixed on either the long side or short side, providing installers with crucial adaptability for various panel formats and complex roof layouts.

The main purpose of our design is for the stock consideration of solar distributors and solar installers, so they don't need to stock different solutions for different solar panel size and solar module layouts.

Lightweight & Corrosion-Resistant: Constructed from high-strength aluminum alloy, with $\geq 260\text{MPa}$ yield strength to provide balance between light and strength. The system is designed for lightweight durability and long-term performance, engineered in compliance with EU standards-EN 1991-1-4 for the wind load pv mounting design.

Please noted for all solar ballast mounts, we only suggest the design under 35m/s wind speed situation.



Projects

Ballast Solar Mounting System on a Warehouse Flat Roof.



200KW, Europe, fast installation for east-west solar roof solution



phase 1 of a 500kw solar flat roof project in Romania using Facing south solution, solve the roof bearing weight limit problem

If you are looking for over 15 degrees solution we have BR2 with bending solution for ballast solar mount

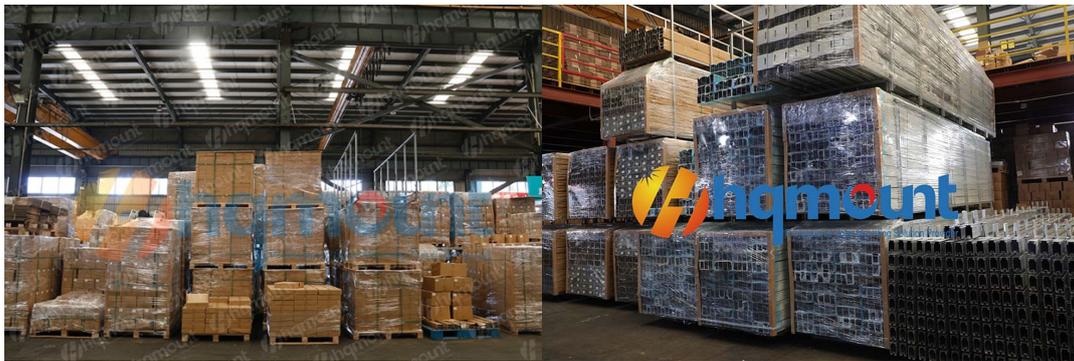


and if you are looking for more cost-effective solar concrete roof solution we have BR3 with ZAM coating for your choice.



How we HQ Mount as leading solar mounting manufacturer pack the solar ballast mounting solution?

- 1, We put both front and adjustable solar legs in the same box for quicker solar installation
- 2, The Solar ballast accessories has been put in the same box
- 3, The long ballast solar plate is in a steel pallet to make sure it's safe



get a quotation or pv mounting design for your solar flat roof contact us at info@hqmout.com