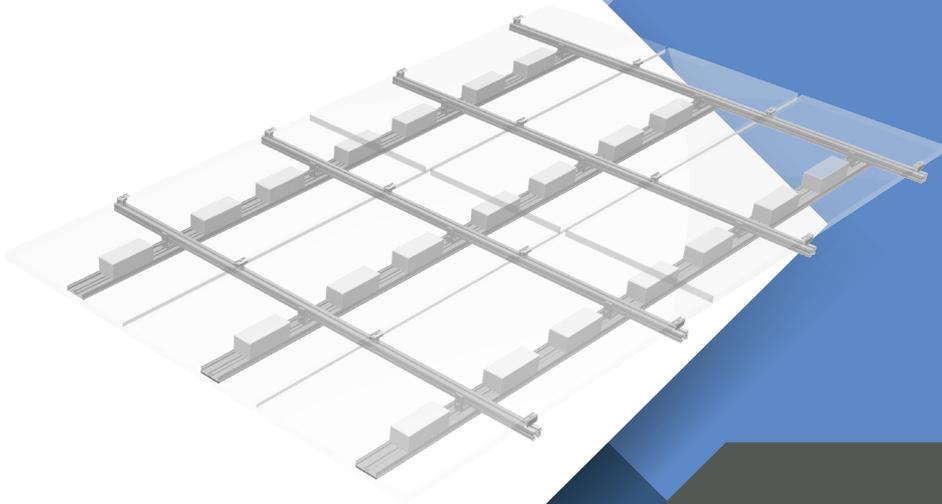




Yokohama Solar Solutions



**Y-GRID**

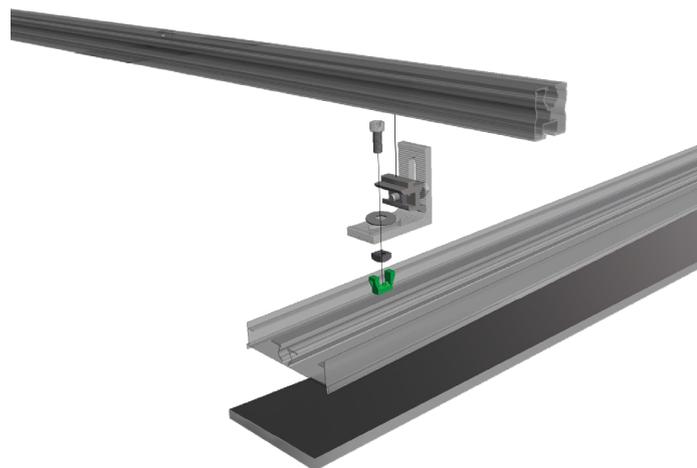
**PRODUCT SHEET**



**The parallel flat roof system**

Y-Grid is an economical system for slightly sloped flat roofs. It was developed for installing modules parallel to the roof without penetrating the roof. However, the prerequisite is that the system can be fastened on site. This can be done with a ridge connector, with a PV system being installed on both sides of the roof. It is also possible to fasten the system at suitable points, such as statically loadable light band structures, purlins or connectors. Static suitability must always be tested, however.

- **Modular system combinable with many Yokohama Solar Solutions components**
- **For slightly sloped flat roofs**
- **Integrated structure protection mat**
- **Optimized for materials and cost**
- **No roof penetration**
- **Max. permissible roof pitch: 10°**
- **Parallel to the roof**
- **Reduced ballast**
- **10-year warranty**



Y-Grid is a modular system with base profiles in which the integrated structural protection mat also functions as a support for the ballast. The height-adjustable angle bracket allows a height compensation of up to 30 mm possible. Furthermore, the module bearing profiles can be mounted in any position on the base profile.

If, due to higher wind loads, more ballast is required than can be installed in the system profile, more ballast can be supplemented by additional trays. If these trays are necessary, there are also suitable structure protection mats than can be attached with lugs.

## SLIP GUARD

Since both halves of the roof are usually used, the systems are connected on both sides by ridge connectors, which prevents them from slipping.

## DESIGN

As with any flat roof system, the following boundary parameters must be taken into account during design:

- Surface pressure on the existing roof covering and the isolation underneath
- Thermal separation of the single installation units
- Mounting on the roof and connection of the blocks depending on the roof pitch

## TECHNICAL DATA

Material	Structure protection mat: rubber granulate with aluminum lining, fasteners: stainless steel 1.4301 or higher; other system components: aluminum EN AW 6063;
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Statics	Statics calculation according to the current country-specific standards. Statics systems for dimensioning the quantity of required loading. Always follow the statics instructions!
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For more information, see [www.ysolar.co.jp](http://www.ysolar.co.jp).



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