

## Biosolar photovoltaic mounting system

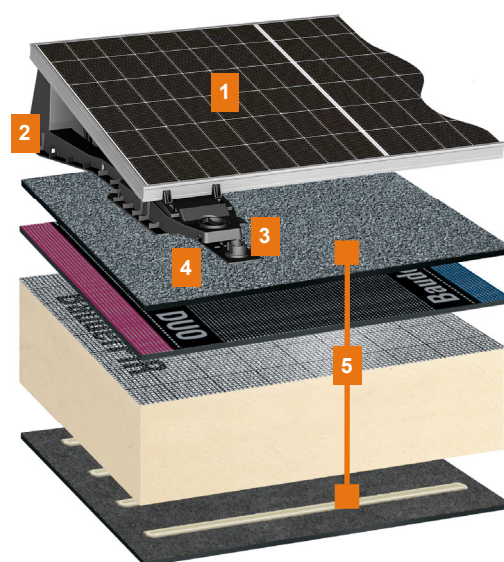
### BauderSOLAR F XL (with waterproofing system)

BauderSOLAR F XL is designed to be installed on specific Bauder bituminous or single-ply waterproofing systems and provides a lightweight, zero penetration and quick to install mounting solution for framed solar modules.

	Product name	Function	Thickness (Approx.) (mm)	Weight (Approx.) (kg/m <sup>2</sup> )
1	Solar Module	Framed crystalline solar photovoltaic module	Variable	
2	BauderSOLAR F XL	Mounting unit	1550 x 340 x 310	4.8
3	BauderSOLAR GF & BJT	Baseplate and bayonet cap	280 x 100 x 35	0.23
4	BauderSOLAR MST	Welding sleeve	440 x 260 x 5.2	variable
5	BGTRS System	Warm roof waterproofing system (140mm BauderPIR)	150.7	16.86

In-depth and up-to-date product specific technical data is available for each element within a system.  
Download from our website [bauder.co.uk/technical-centre](http://bauder.co.uk/technical-centre)

F XL mounting & Warm roof indicative build up



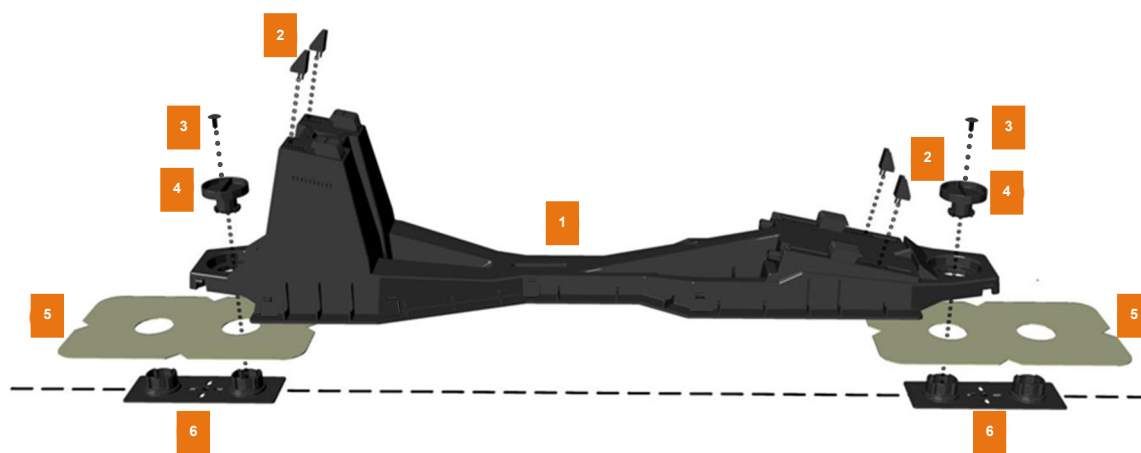
#### Characteristics of the system

- Penetration and ballast-free installation method reduces risk
  - High output-to-roof-space ratio
  - Lightweight system 11-16kg/m<sup>2</sup>, depending on module selected and system layout
  - Single source for integrated design of waterproofing and PV
  - Our guarantee offer is clear and concise covering what is included/not included along with the conditions of the guarantee. A sample guarantee for this system is available on request.
- PTO for BauderSOLAR G Light mounting systems only

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### BauderSOLAR F XL (mounting system only)

BauderSOLAR F XL is designed to be installed on specific Bauder bituminous or single-ply waterproofing systems requiring zero penetration.



	Product name	Function	Dimensions (Approx.) (mm)	Weight (Approx.) (kg/m <sup>2</sup> )
1	<b>BauderSOLAR F</b> main substructure	Mounting unit with integrated module clamps	1550 x 340 x 310	4.8
2	<b>BauderSOLAR MST</b> Welding sleeve	Welding sleeve for welding to Bauder bitumen and single ply roof membranes	n/a	
3	<b>BauderSOLAR MTR</b> Module carrier rail	Powder coated steel profile rail to support framed solar modules	4700 x 61.9 x 47.5	
4	<b>BauderSOLAR VT 745</b> <b>BauderSOLAR VT 545</b> V-beams	Pre-assembled V-shaped module carrier rail support manufactured from powder coated steel	745 x 399 x 54 545 x 343 x 54	
5	<b>BauderSOLAR MST</b> Welding sleeve	Welding sleeve for welding to Bauder bitumen and single ply roof membranes	1245 x 30 x 15	
6	<b>BauderSOLAR MKL (mid)</b> or <b>BauderSOLAR EKL (end)</b>	Mid and end pre-assembled module clamps	n/a	
<b>Weight per mounting unit (without ballast and pv module)</b>				<b>11-16 kg/m<sup>2</sup></b>

The system has variations available to the specifier so that a tailored solution meets the needs of the building. **The selection of products should be confirmed with our technical department to ensure suitability for the individual construction requirements of the flat roof.**

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