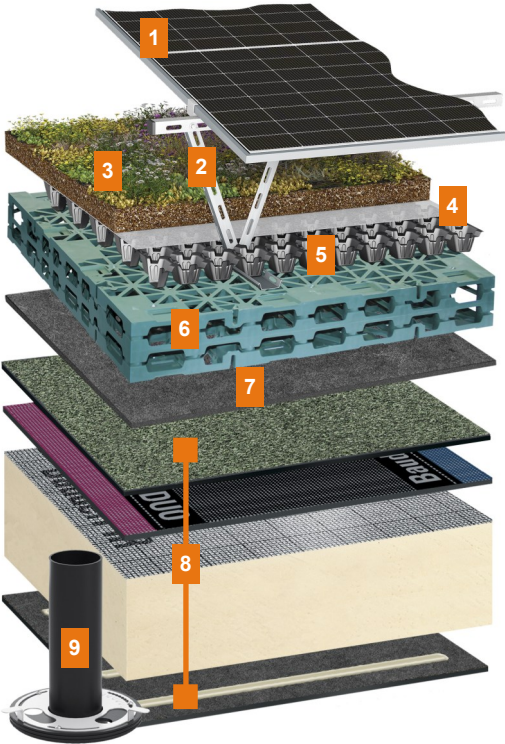# System summary

BAUDER
making roofs secure.

Biosolar photovoltaic mounting system

BauderSOLAR G LIGHT (with waterproofing system)

BauderSOLAR G LIGHT is an integrated solar PV mounting system for framed photovoltaic modules, specifically for Bauder biodiverse or extensive green roofs. This system can also be specified with the BauderBLUE STORMcell blue roof system.

	Product name	Function	Thickness (Approx. (mm)	Weight (Approx. kg/m^2)
1	Solar Module	Framed crystalline solar photovoltaic module	Variable	
2	BauderSOLAR G LIGHT	Powder coated multi-component module support frame	Variable	
3	BauderGREEN Flora 3	PV seed mix and substrate	80 (minimum)	Variable
4	BauderGreen FV 125	Filter fleece across extent of green roof and Biosolar area	1	0.13
5	BauderSOLAR DSE 40	Anchor Board in Biosolar areas	40	1.8
6	BauderBLUE STORMCell	Attenuation cell	100	8.06
7	BauderGREEN FSM 600	Heavy duty protection mat.	5	0.60
8	BGTRS System	Warm roof waterproofing system	150.7	16.86
9	BauderBLUE ST	Adjustable blue roof outlet flow restrictor	Variable	
System Build-up			Site specific determined by ballast requirement	

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

Biosolar mounting & Warm roof indicative build up with BauderBLUE STORMcell
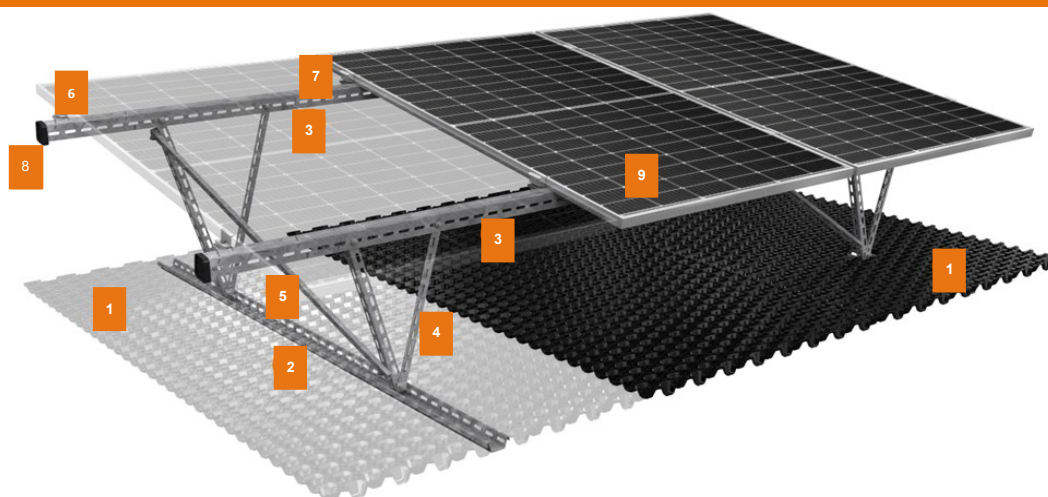

Characteristics of the system

- The system allows the whole roof area to be vegetated as well as creating PV renewable energy output.

- Raised modules allow light and moisture under the panels and the creation of a variety of habitats supporting a greater range of plant species and small invertebrates.

- Increased module space between substrate and panels reduces the risk of panel damage during green roof maintenance.

- The BauderGREEN Flora 3 Seed Mix is specifically designed to work beneath the PV modules.

- 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

Biosolar photovoltaic mounting system

BauderSOLAR G LIGHT (mounting system only)

BauderSOLAR G LIGHT is an integrated solar PV mounting system for framed photovoltaic modules, to be ballasted by Bauder biodiverse or extensive green roofs.

	Product name	Function	Dimensions (Approx.) (mm)	Weight (Approx.) (kg/m^2)
1	**BauderSOLAR DSE 40** Anchor board	Modified DSE40 drainage board installed above base rails to ballast the mounting system	1040 x 2030	
2	**BauderSOLAR BS-4** or **BauderSOLAR BS-2** base rail	Powder coated steel base rail installed on protection layer and beneath DSE40 anchor board	3994 (BS-4) or 1994 (BS-2) x 36 x 72	
3	**BauderSOLAR MTR** Module carrier rail	Powder coated steel profile rail to support framed solar modules	4700 x 61.9 x 47.5	
4	**BauderSOLAR VT 745 BauderSOLAR VT 545** 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	**BauderSOLAR DLE** diagonal profile	Support rail to add rigidity to mounting system—Powder coated steel	1245 x 30 x 15	
6 & 7	**BauderSOLAR MKL (mid)** or **BauderSOLAR EKL (end)**	Mid and end pre-assembled module clamps	n/a	
8	Module rail end cap	Polypropylene end cap to protect module mounting rail ends	n/a	
9	Solar module	Framed crystalline solar photovoltaic module	Variable	
Weight per mounting unit (without ballast and PV module)				**14.3kg/m^2**

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.
E: technical@bauder.co.uk
T: 01473 257671