BAUDER
making roofs secure.

Solar PV Systems

Flat roof solutions







Solar PV

Photovoltaic (PV) systems for flat, green, and blue roof applications

Our solar PV mounting solutions are designed to be combined with our flat and green roof systems. BauderSOLAR (F and F XL) is for conventional flat roofs and BauderSOLAR G LIGHT is for creating biosolar flat roofs that combine PV with a green or blue roof.

Our solar photovoltaic (PV) mounting solutions are designed to ensure the Bauder waterproofing beneath remains intact and without compromise.

The entire installation process of both of our PV mounting systems is designed with time and simplicity in mind. Through our portfolio, we guarantee the entire Bauder-specified roof waterproofing and mounting package (excluding the solar PV panels), providing a single-source point of contact and responsibility to reduce risk.

Specifying a solar PV array

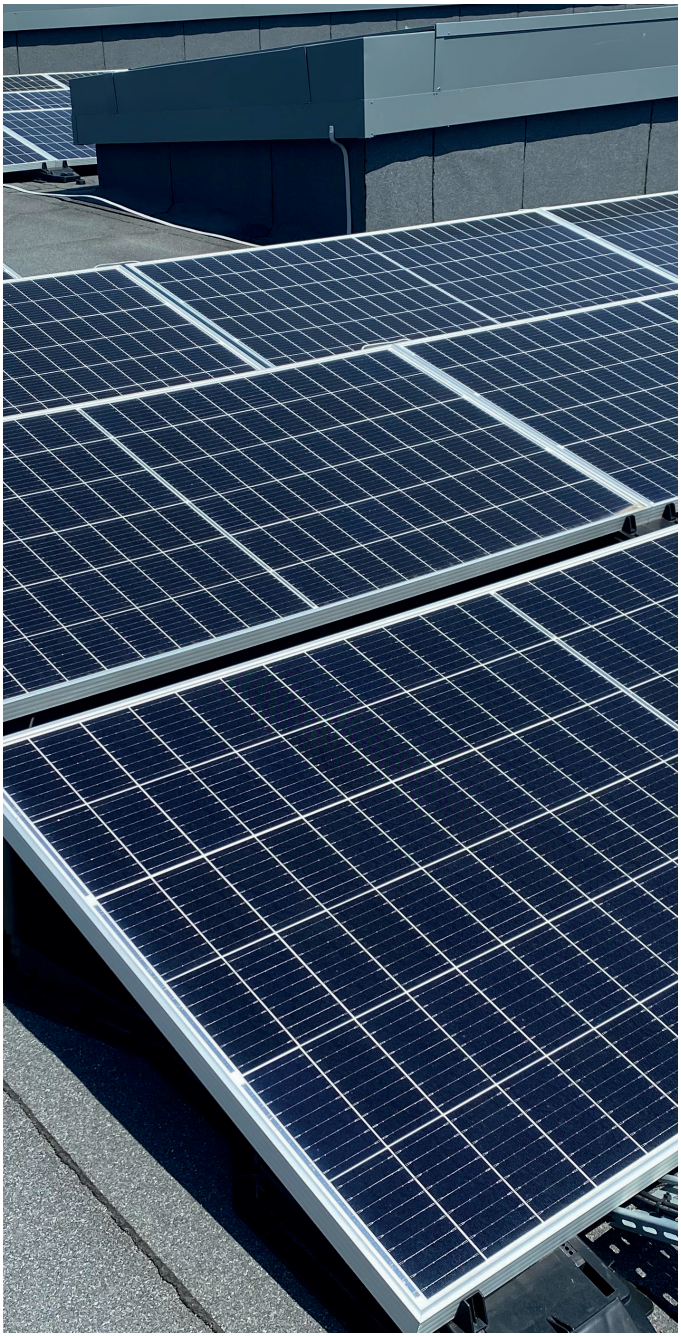
A flat roof is the ideal place for a solar PV installation to generate site-sourced electricity. Renewable energy generation has a big role to play in the delivery of a net-zero carbon building and integrating renewables allows it to meet a proportion of its own energy needs, minimise carbon emissions, and reduce building running costs.

Outline of our solar PV systems

- Two systems for new build and refurbishment projects: BauderSOLAR and BauderSOLAR G LIGHT
- Penetration-free installation of mounting system to reduce risk
- CCPI-assessed waterproofing and mounting system data
- Range of Bauder waterproofing options
- Range of guarantee packages to suit project and cover requirements

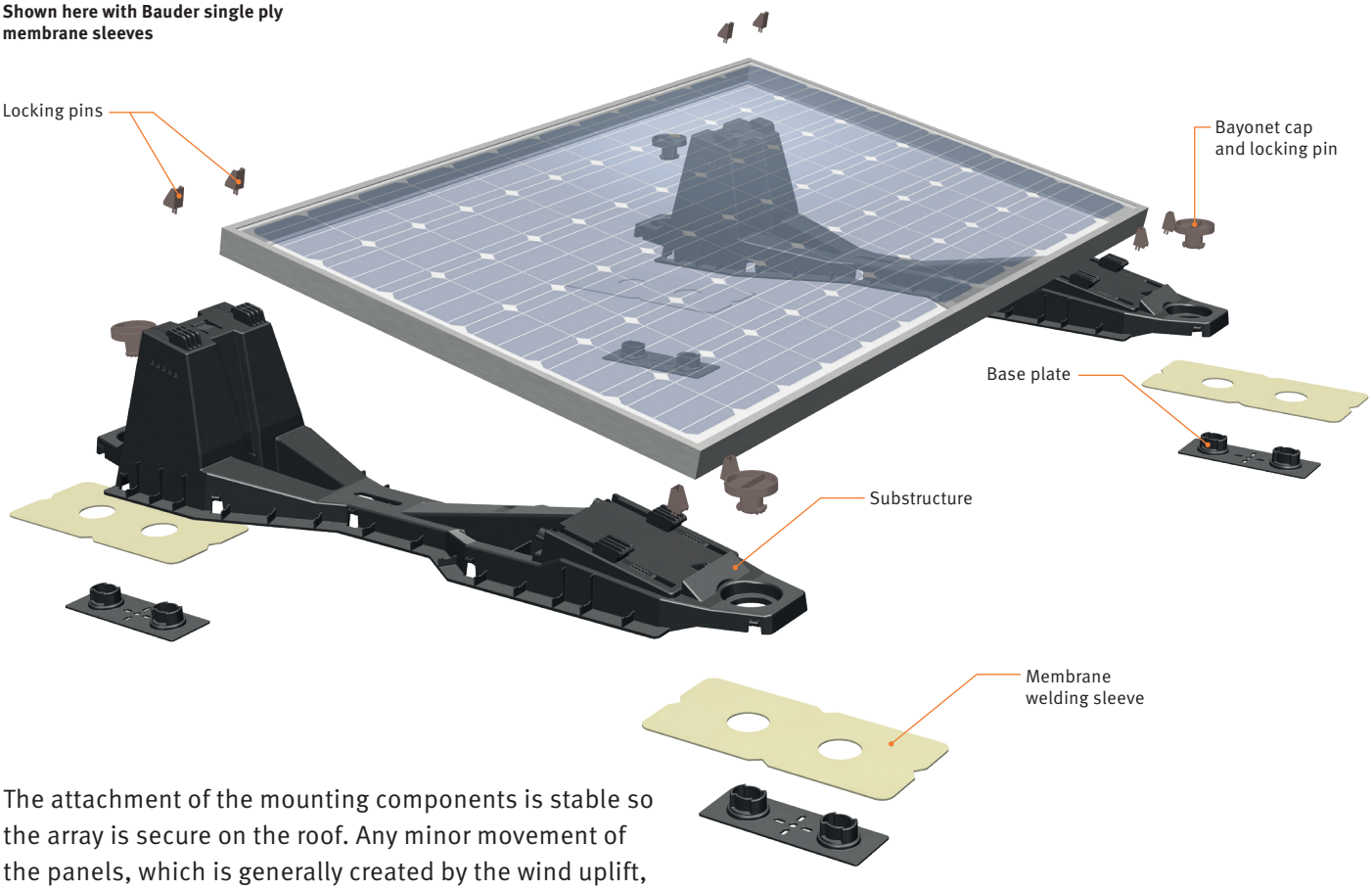
Achieving technical objectives

- Bauder solar PV array designs meet MCS PV Guide requirements and IET Codes of Practice
- System designs comply with:
  - BSEN 62446 Grid Connected Photovoltaics
  - BSEN 61853-1 Defining Solar Photovoltaic Power
  - BSEN 1991-1-4 Wind Actions on Structures
  - BRE Digest - Wind loads on roof-mounted photovoltaic and solar thermal systems (DG 489 revised 2014)



BauderSOLAR F and BauderSOLAR F XL Systems

Shown here with Bauder single ply membrane sleeves



The attachment of the mounting components is stable so the array is secure on the roof. Any minor movement of the panels, which is generally created by the wind uplift, is tolerated and has minimal affect on the fixings or waterproofing system.

Dimensions shown are for BauderSOLAR F XL mounting system.

