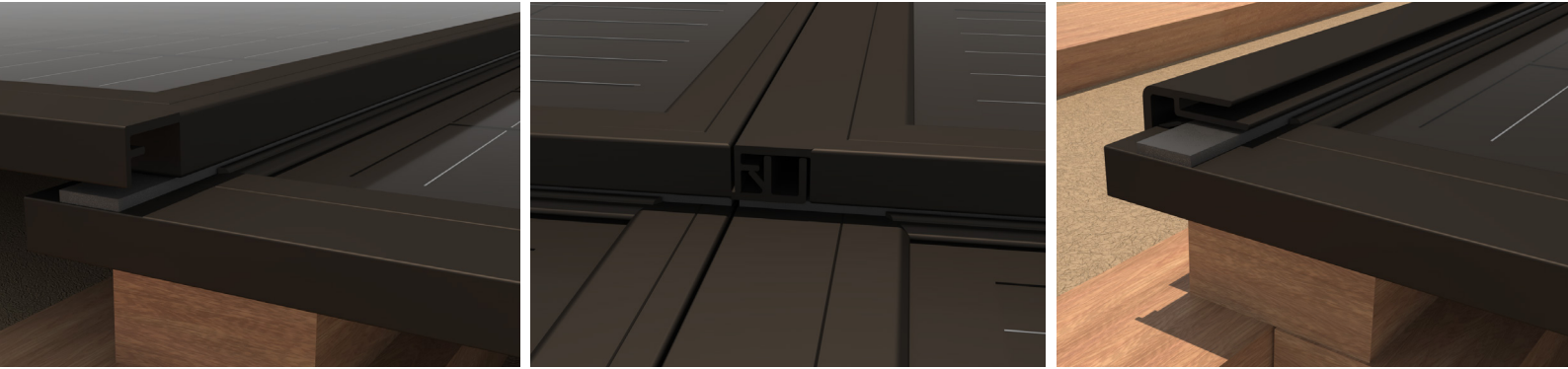


## TECHNICAL SPECIFICATIONS



SolFIT is an ingeniously simple in- roof solar PV system using our patented 'slide and click' interlocking frame, making installations simpler, faster and safer cutting hours off of installation times. Solfit is designed and part manufactured in the UK for UK roofs and weather.

**We've done the thinking, so you don't have to.**

## FEATURES OF THE SOLFIT SYSTEM



**Simpler** SolFIT is designed around an ingeniously simple interlocking framing system. There are no fiddly seals or gaskets, plastic or lead to worry about. You just push and click each PV tile into place to form your strong and watertight solar roof.



**Long-lasting** Our strong, durable framing and mounting system is made from 100% aluminium and entirely plastic-free, making it suitable for the most extreme UK environments. Designed to prevent any water ingress and is guaranteed weathertight for 15 years.



**Faster & Safer** Because you fit SolFIT from the top of the roof down, (ridge to eaves) it's a lot safer and faster to install, cutting hours of installation time.



**Flush** So no room for nesting birds or rodents to squeeze in.



**Compact** More than double the number of panels per pallet than other BIPV products.



**Stylish** SolFIT has a great, all-black in-line aesthetic, so it looks superb on any kind of property.



**Versatile** SolFIT can be installed on any roof, from the smallest residential home to the largest commercial warehouse and is compatible with all roofing materials.

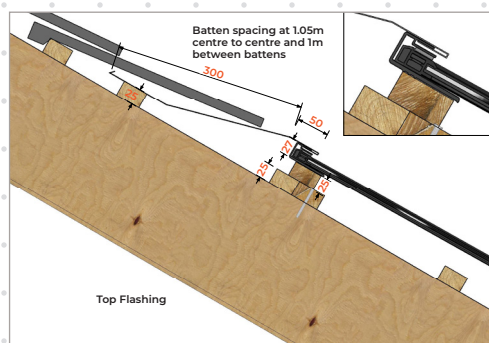


**Adaptable** Tiles can be arranged for the best possible use of space.

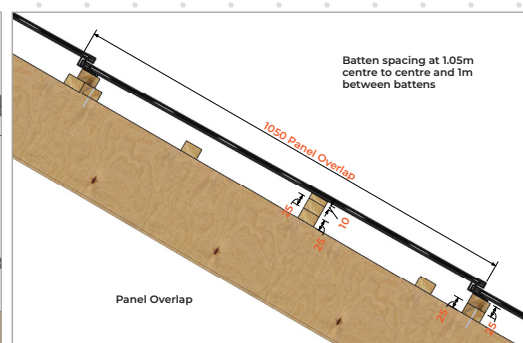


**Efficient** The high 370p output is guaranteed for 25 years.

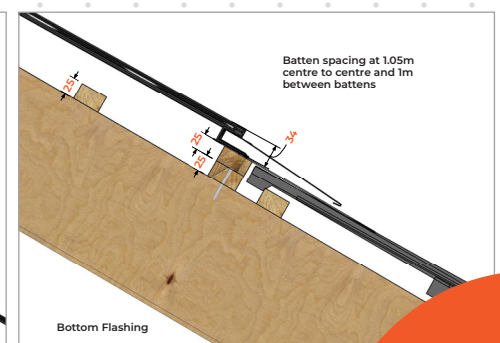
Two Panel Section Top



Two Panel Section Middle



Two Panel Section Bottom



# EVERYTHING YOU NEED TO GET GOING

## Key to components

- A** Top Flashing coupler
  - B** Top Left Hand Side Flashing
  - C** Top Middle Flashing
  - D** Top Right Hand Side Flashing
  - E** Top Mounting Profile
  - F** Left Hand Side Flashing
  - G** Right Hand Side Flashing
  - H** Bottom Flashing
  - I** Bottom Flashing Coupler
  - J** Bottom Corner Flashing
- Note:** For roman tiles Bottom Flashing (H) can be replaced with lead or lead substitute.

## Guarantees and Warrantees

- A Linear Power Output Warranty** 25 years
- Weather Tightness Guarantee** 15 years
- Linear Power Output Warranty** 80% @ 25 years
- Manufacturers Warranty** 12 years

## Mechanical Data

Cell Type	P type Mono-crystalline
Cell Arrangement	120(6x20)
Module Structure	Glass / EVA / Backsheet
Glass Thickness	3.2mm
PV module classification	Class II
Junction Box Rating	IP67/IP68
Cables	1100mm/4mm <sup>2</sup>
Connector Type	MC4/MC4 Compatible
Fire Rating Class	C
Minimal angle roof installation with standard top flashings	20 degrees

## Electrical Specifications

<b>Pm (W)</b>	<b>Tolerance</b>	<b>Imp(A)</b>	<b>Vmp(V)</b>	<b>ISc (A)</b>	<b>Voc (V)</b>	<b>Efficiency</b>
370W	0/+3%	10.83	34.17	11.29	41.96	18.37%

## Panel Specifications

<b>Length</b>	<b>Width</b>	<b>Weight</b>	<b>Wind loading</b>	<b>Fire rating</b>	<b>No in box</b>	<b>Certification</b>
1820mm	1046mm	22.4kg	4450PA	A class	27 Panels	MCS0012



**Bankability:** Bloomberg Tier 1, PV Manufacturer Ranking no 2 (Sinovoltaics)

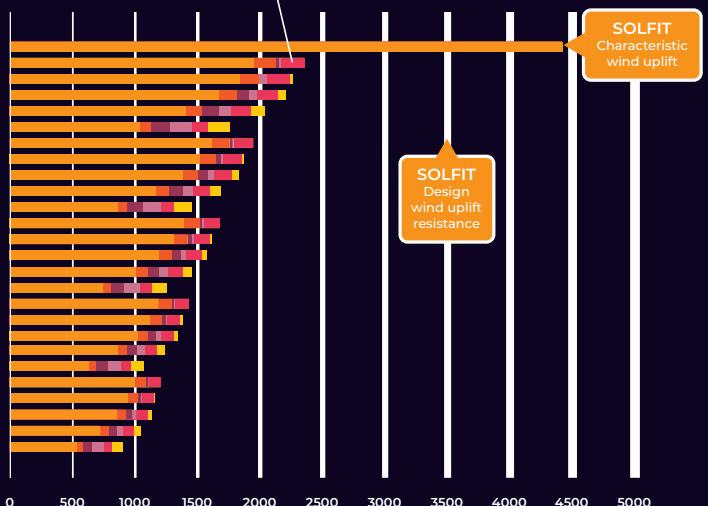
# WIND SPEEDS

SolFIT is designed to provide the perfect balance of lightweight materials and strength. As the map below shows, SolFIT panels can cope easily with wind speeds in any location across the UK.

Calculating wind loads is conceptually simple, although quite complex in practice. Luckily for us, BRE kindly produced a simplified method for determining peak velocity wind pressure for each zone and building heights 5m-25m which are shown in the chart below along with the corresponding test result for SOLFIT.

Since the highest figure of 2286Pa was registered in Zone 5, 100m above sea level, within 2 miles of the coast on a roof at 25m, rest assured we've got you covered.

Highest figure: 2286Pa (Zone 5, 100m above sea level, within 2 miles of the coast on a roof that's at 25m)



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MCS Certification number; BAPT 8770-002

APPROVED PRODUCT

