

# Simple to specify. Simple to install.

## The Sunstation module

The Sunstation module has been engineered to provide a weather tight barrier. There's no need for any unwieldy or time-consuming sub-frame to be installed.

## The interlock design

The Sunstation modules lock together using our ingenious interlock design. The seamless joints between the modules means that not one thing stands proud. Only one side of the module is screwed to the battens, making the system super-fast to install.

And we've built in just a little 'shunt' in the interlock. This means you can still make fine adjustments to the angle of the module, to keep the array in line with the geometry of a real-life roof.

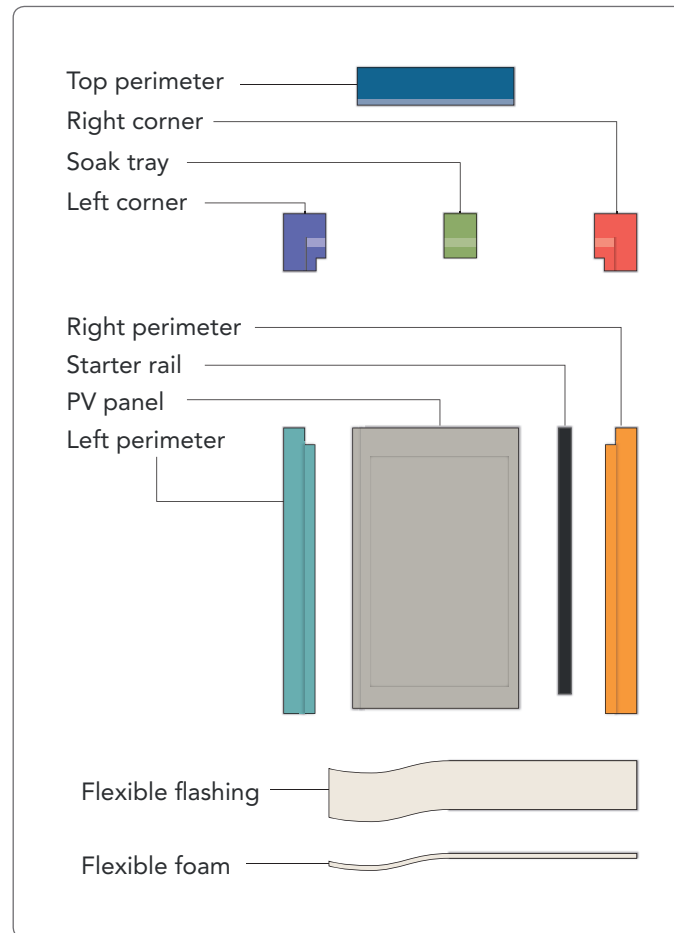
## The Sunstation perimeter

Around the Sunstation is a hidden gutter. This means far less of the perimeter is visible, which maintains the system's great looks.

The sections of perimeter slide into position and stack inside each other (the way that glasses do). So you don't even have to measure to know when it's in the right place – and because the sections are nested in position, you need fewer fixings too.

## Quicker, easier, lower cost

With only eight main components, Sunstation is an easy system that can be installed in a single day.



**Electrical specification**

Photovoltaic cell technology	Monocrystalline
Cell dimensions (quantity) / diodes	156 x 156 mm (60) / 3
Peak power <sup>(1)(2)</sup>	275 Wp - (0 Wp+5Wp)
Laminate size (active area)	1644 x 985 mm
Module efficiency	16.82 %
Maximum power voltage (Vmp) <sup>(2)</sup>	30.80 V
Maximum power current (Imp) <sup>(2)</sup>	8.93 A
Open circuit voltage (Voc) <sup>(2)</sup>	38.52 V
Short circuit current (Isc) <sup>(2)</sup>	9.38 A
Maximum system voltage (Vdc)	1000 V DC
Series fuse rating	15A
NOCT	45 +/- 2 °C
Temperature coefficient of the open-circuit voltage	-0.330 % / °C
Temperature coefficient of the short-circuit current	0.059 % / °C
Temperature coefficient of the power	-0.410 % / °C
Connectors	Multi contact MC4 IP65
Cables	Class II double insulated 4mm temperature rated -40° + 85°

<sup>(1)</sup> Measured under Standard Test Conditions AM=1.5, E=1000W/m<sup>2</sup>, T= 25°C  
<sup>(2)</sup> Power selection: -0Wp +5Wp / Current, voltage and power tolerance: +/-3%

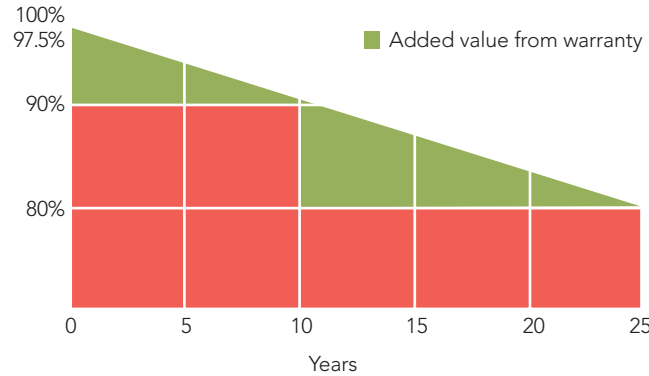
**Tile family compatibility**

- Interlocking thick leading edge
- Interlocking thin leading edge
- Interlocking profiled tile
- Interlocking plain tile
- Interlocking pantile
- Non-interlocking pantile
- Plain tile
- Natural and synthetic slate

For other tile types please contact Solarcentury.

**Warranty**

- 10 year product warranty
- 25 year linear power warranty



**Certifications**

- Product meets current UK building regulations
- Weather-tightness tested to PD/CEN TR 15601
- External fire exposure test to CEN/TS 1187 B<sub>ROOF</sub>(t4) rating
- Wind resistance (50 x 25mm battens)
  - Design wind uplift resistance (5 battens): 3181Pa. Partial factor: 1.1
  - Design wind uplift resistance (7 battens): 4072.3Pa. Partial factor: 1.44\*
- Wind resistance (38 x 25mm battens)
  - Design wind uplift resistance: 3606Pa. Partial factor: 1.00
- Wind resistance (sarking)
  - Design wind uplift resistance: 2557Pa. Partial factor: 1.44
- Positive power selection -0Wp +5Wp
- 100% EL tested
- Fully MCS certified
- IEC 61215 / IEC 61730 certified
- SunStation® is protected in the EU by registered designs CRD002972679-0001 to 0008, along with design right in the UK.
- Patents are pending in multiple jurisdictions.

\* Failure load not reached and worst case factor assumed

**Dimensions**

Gross width	1115 mm
Gross length	1858 mm
Profile depth	34 mm
Exposed width	1033 mm
Exposed length	1771 mm
Roof pitch (minimum)	25°
Roof pitch (maximum)	60°
Individual unit weight	20.6 kg
Weight as laid at maximum gauge	11.32 kg/m <sup>2</sup>
Batten size (required)	50 x 25 mm, or 38 x 25 mm
Array gross width	=(Exposed width x no. of modules) + 416mm
Array gross length	=(Exposed length x no. of modules) + 270mm
Array exposed width	=Array gross width - 286mm
Array exposed length (minimum)	=Array gross length - 247mm



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