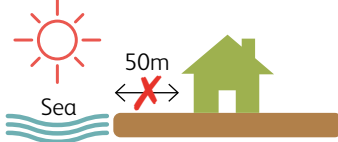


Sunstation site suitability tool

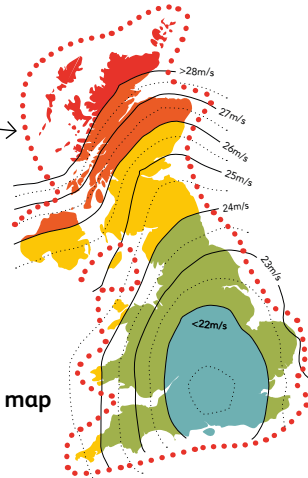
Location

Proximity to sea will be all around UK and Northern Ireland coastal areas.



Sunstation has been certified with the tile types listed and does not reduce weather tightness.

Wind zone map



Building

Higher upon application

10m ✓

Occupancy



Residential ✓

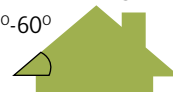


Other



Roof angle

25°-60°



Ventilation

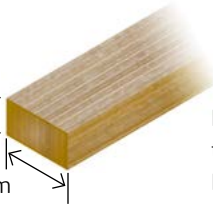


Ventilation must be considered in accordance with recommended roofing practices. Reduced ventilation may affect power output.

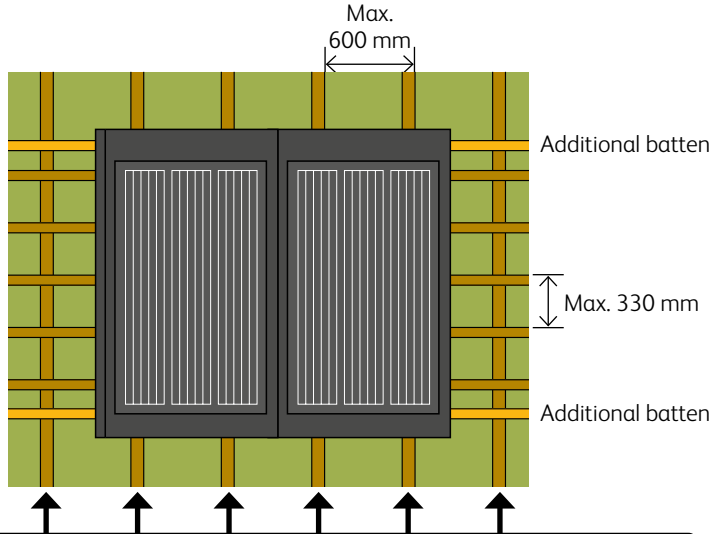
Roof type

Minimum batten size

Min. 25 mm
Min. 50 mm



Battens must be graded to meet requirements of BS5534:2004 or later.



Sub-structure – conventional (rafter) requirements

Min. 50 mm

Rafter

Min. 75 mm

No. Battens	Resistance† (Pa)
5	3181
7*	4072

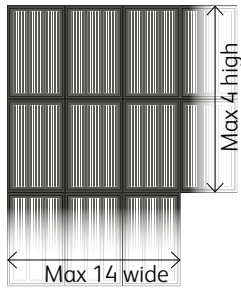
Site specific wind pressure as calculated in accordance with BS EN 1991-1-4 must not exceed quoted resistance.

† Resistance values have been obtained on new roofing components free from damage.

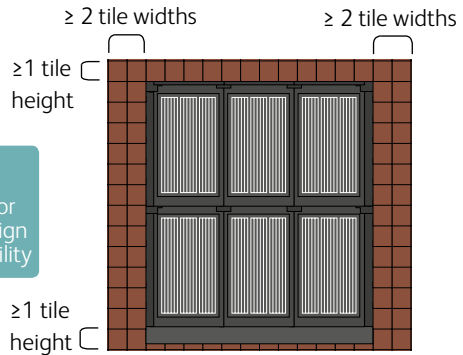
* Includes additional battens as per graphic.

The substructure of the roof must be in good condition and verified by a competent person. Resistance can be affected by discontinuities, large knots and damage.

Layout



Call us for array design compatibility



Tile compatibility

Sunstation has been tested and validated with the following tile families.

Thick leading edge interlocking



Single lap interlocking flat – 40 mm thick approx. 400 x 300 mm approx.

E.g. Marley modern Russel Grampian

Thin leading edge interlocking



Single lap interlocking flat – 11 mm thick approx. 360 x 340 mm approx.

E.g. Britlock

Interlocking plain tile



Single lap interlocking flat – 20 mm thick approx. 320 x 370 mm approx.

E.g. Forticrete Gemini

Interlocking profiled tile



Single lap interlocking profiled – 45 mm deep approx. 420 x 330 mm approx.

E.g. Double Roman

Interlocking pantile



Single lap interlocking profiled – 60 mm deep approx. 370 x 260 mm approx.

E.g. Koramic JD, VHV, Sneldek

Non-interlocking pantile



Single lap non-interlocking profiled – 76 mm deep approx. 355 x 246 mm approx.

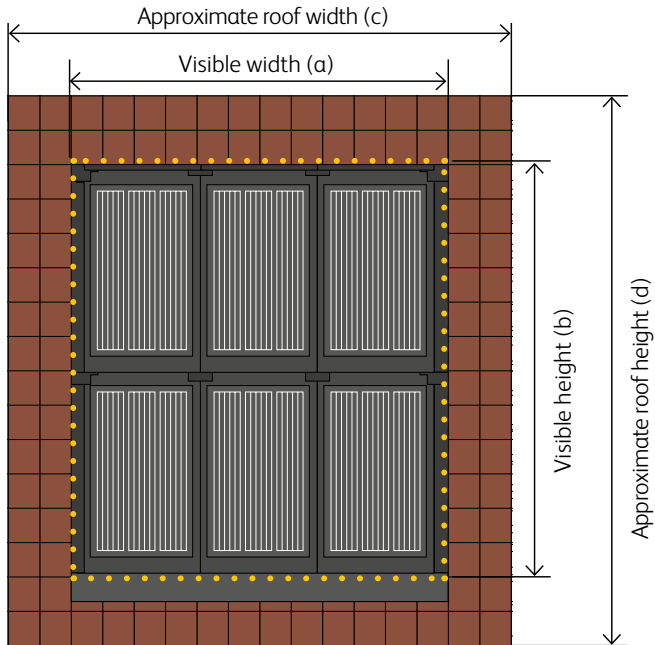
E.g. Old hollow pantile

Natural and synthetic slate



Double lap 250-300 x 500-600mm approx.

Install considerations



Number of columns	Visible width of array (a)	Approximate min. roof width (c)
2	225 cm	345 cm
3	325 cm	445 cm
4	430 cm	550 cm
5	535 cm	655 cm
6	640 cm	760 cm
7	745 cm	865 cm
8	850 cm	970 cm

Number of rows	Visible height of array (b)	Approximate min. roof height (d)
1	180-190 cm	240 cm
2	360-365 cm	420 cm
3	535-545 cm	595 cm
4	715-720 cm	775 cm

SCUK1859-1016