

Planning Application for 8kW Solar Array at Tyelands, Severals Rd, Bepton GU29 0LR

Overview

This application for planning permission is for an 8kW ground mounted solar panel array for domestic use. The 20 solar panels will be installed in plastic trays on the ground in two groups over 5m from the southern western boundary of the property. Each group will be made up of 10 panels and will take up an area of 9m long x 3m wide x 0.5m high. As there is a 1m gap between the rows of panels, the total surface area of the solar panels in each group is 18m². The location of the panels is such that they will not be visible from any domestic dwellings or public access. The nearest road is over 600m to the northeast and through woodland. The panels will be behind a low hedge and will only be visible from the house and an agricultural field directly adjacent to the property boundary.

There are some farm buildings which are used for storing machinery approximately 50m to the south-southeast.

As well as the hedge the panels are screened by a row of large trees approximately 200m to the southwest which means the panels are not visible from the southwest including the South Downs.

The panels will be connected to the house by a trenched electricity cable with all associated equipment, including a domestic battery, located in the cellar of the house.

The house is not listed or protected by any designations.

Location of Tyelands outlined in red.



Scale

Note: the track to the southwest and west is a farm track and the track from the Severals Rd is for private use for access to Tyelands.

Satellite image showing distance to nearest public road.



Scale drawing of the two groups of solar panels as satellite image.



Scale 6mm= 9m

Photo of location shown below. Group 1 to the left of the tree and Group 2 to the right.



Location for Group 1

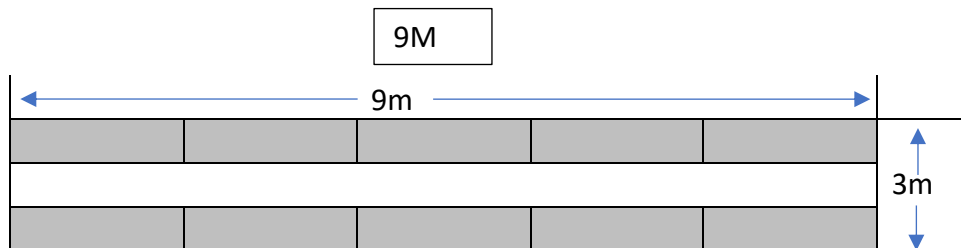


Location for Group 2

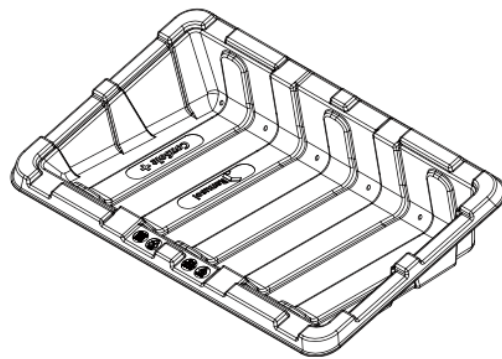


Layout of panels

Each of the two blocks shown in the map is made up of 10 panels in 2 rows of 5 separated by a 1 metre gap as shown below. The length of the block is 9m and the width is 3m (2 rows of 1m panels with a 1m gap). The height of each row is less than 0.5m based on the height of the plastic trays (390mm see below) plus the additional width of the solar panel laid on the tray.



Extract from datasheet showing dimensions of plastic trays used for mounting each solar panel.



System Datasheet CS+

General

System	Freestanding ballasted PV mounting system
Scope of delivery	CS+ tub, mounting profiles and fixing material
System warranty	10 years
Application area	Flat roofs, landfills, open spaces, green areas (excluding hydrogen sulphide exposure)
Dimensions	Width: 1.730mm, depth: 1.100 mm, height: 390mm

Examples of an installation with a similar, though larger system.



