



# SolarGard Orbit

## Boundary Demarcation Fencing System

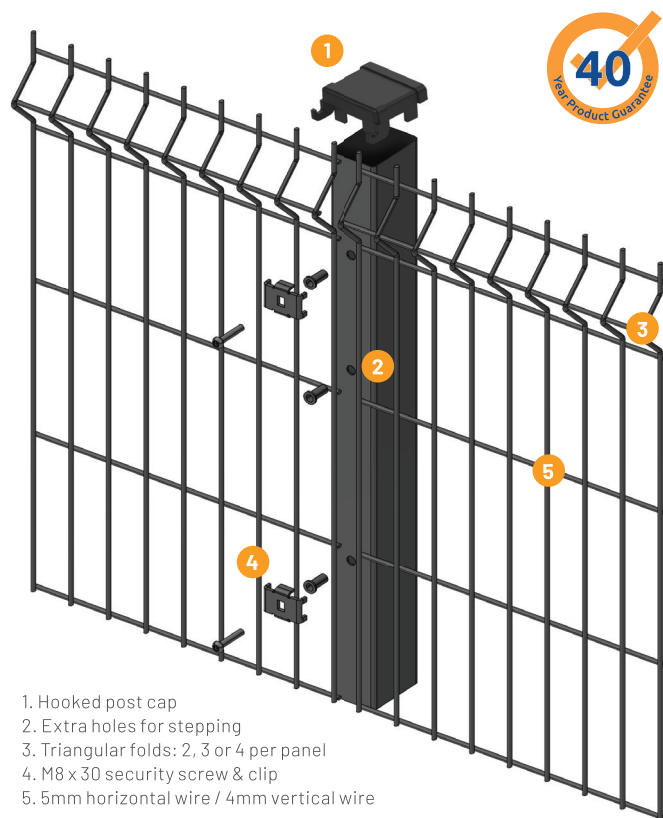
The SolarGard Orbit mesh fence system provides a perimeter security fence that is aesthetically pleasing with high through-visibility, helping it to blend into its surroundings.

SolarGard Orbit provides a cost-effective boundary fencing system with an anti-climb deterrent.

Adjoining panels are held together with metal clips that are then pinned into posts using pre-drilled holes.

## Applications

We recommend this type of weld-mesh fencing as a demarcation fence, where security is not critical. The single-wire mesh with v-folds provides a system that is more durable than deer fencing, and can easily be stepped for uneven ground.



1. Hooked post cap
2. Extra holes for stepping
3. Triangular folds: 2, 3 or 4 per panel
4. M8 x 30 security screw & clip
5. 5mm horizontal wire / 4mm vertical wire



Other RAL colours available as special order

## Specification

| Nominal Fence Height (m) | Panel Size Height x Width (mm) | Post Centres (mm) | No. 'V'Bars per Panel | Overall Length of Post (mm) | Post Size (mm) | Number of Clips |            |
|--------------------------|--------------------------------|-------------------|-----------------------|-----------------------------|----------------|-----------------|------------|
|                          |                                |                   |                       |                             |                | Per Post        | Per Corner |
| 1.2                      | 1,230 x 3,005                  | 3,030             | 2                     | 1,800                       | 60 x 60        | 3               | 6          |
| 1.8                      | 1,730 x 3,005                  | 3,030             | 3                     | 2,400                       | 60 x 60        | 4               | 8          |
| 2.0                      | 1,930 x 3,005                  | 3,030             | 3                     | 2,600                       | 60 x 60        | 4               | 8          |
| 2.4                      | 2,330 x 3,005                  | 3,030             | 3                     | 3,100                       | 60 x 60        | 5               | 10         |
| 3.0                      | 2,930 x 2,455                  | 2,480             | 4                     | 3,750                       | 60 x 60        | 6               | 12         |

Data subject to change

# SolarGard Orbit

## DATASHEET

Version 1.1 | 11-24

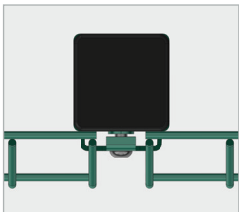


### Posts, Clips and Fixings

The posts and clips that Alexandra Security offers provide a fixing system which secures the panels but allows for variations. The system is easy to install and allows the panels to be stepped, helping the fence line to follow the contours of the ground. With the vandal resistant security fixings this post and clip system provides a reasonable level of security to any boundary.

*Please note: Posts feature extra stepping holes to allow the fence line to be stepped on sloping ground. When not used, these holes do not require a security screw or clip.*

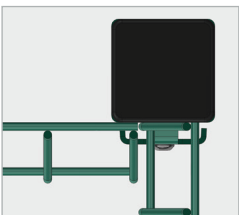
Intermediate post



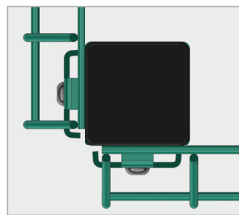
End post



Internal corner post



External corner post



Alexandra Security Ltd, Perimeter Works, Whetsted Road, Five Oak Green, Tonbridge, Kent. TN12 6PZ

[www.alexandrasecurity.com](http://www.alexandrasecurity.com) | 01892 833 001

While care has been taken to ensure that all information provided on this data sheet is accurate, Alexandra Security reserves the right to change product specifications at any time. E&OE.

## Product Technical Information

### Panels:

- Mesh size 200 x 50mm – 5mm horizontal wire / 4mm vertical wire (conforms to BS 1722-14:2017).
- Triangular Folds: 2, 3 or 4 per panel (height dependant).
- Panels can be inverted to create flat top option.
- Manufactured to BS 4102 and galvanised to BS EN 10244-2:2001 class D.
- Weld strength is 75% of the minimum tensile strength of the wire (tensile range 540-690 N/m2).

### Posts:

- Dig-in posts. Post size: 60 x 60mm SHS.
- Post material manufactured to BS EN 10210-2:1997 and galvanised to BS EN 10346:2009.
- Supplied with 60 x 60mm plastic hooked cap.
- Post feature 2 extra holes for stepping (unfilled).

### Fixings:

- Durable metal clips.
- M8 x 30 stainless steel security screw.
- M8 shear nut with M8 washer.

### Finishings:

- Panels & Posts are galvanised before being powder coated to BS EN 13438:2005 (min 100 micron).
- Standard colours are RAL 6005 (Moss Green) and RAL 9005 (Black).
- Other RAL colours available as special order, including marine grade coating.

### Post Options:

- Cranked posts (internal and external / top and bottom).
- Face fix (for flush against walls).
- Base-plated (flush to front, back or centrally) available as special order for installation onto concrete and other hard surfaces.

## 40 Year Product Guarantee



We are able to offer a 40-year guarantee, covering the performance and appearance of this mesh fencing systems when used in a ground mounted solar or battery storage application. Giving you added confidence when specifying an Alexandra product.

For more information on our product guarantee, please contact us.

