



Big Foot Solar Cast Frame

Solar panels

Typical Application

The Big Foot Solar Cast Frame is an extremely quick to install solar panel solution. Incorporating the ballast into the framework means the system is reliable and simple to install.

With a large surface area, the Big Foot Cast Frame solution is ideal for roofs with lower strength or slippery surfaces. This type of frame also lends itself to non-permanent ground installations.

Standard 10°, 20° and 30° panel systems are available from stock. Custom layouts to order.

The hot dipped galvanised steel framework ensure maximum corrosion resistance for all year weather protection.

Kit Includes

- Cast concrete ballast feet
- Galvanised fixtures and fittings
- A-frames and fixings
- Solar panel clips

Wind Analysis

Big Foot Systems are currently using Computational Fluid Dynamics (CFD) software to calculate site specific wind load conditions.

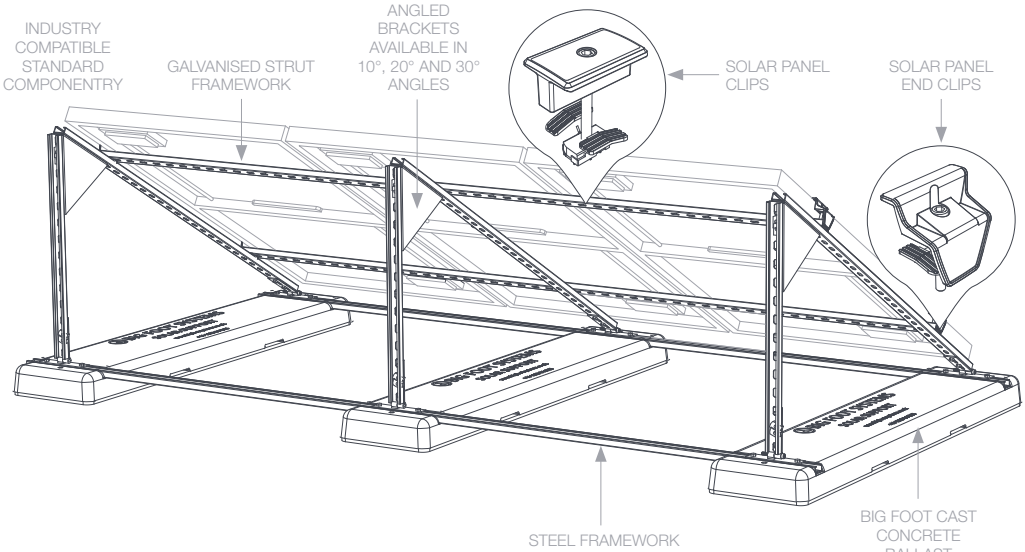
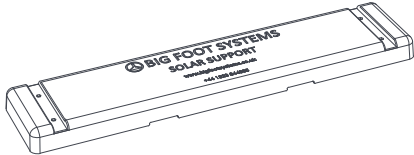
Using the industry-leading ANSYS wind profiling program, analysis is run based on the solar panel size, quantity, pitch and mass of the panel then calculated to determine the ballast requirement for the solar support system.

Big Foot Systems CFD modelling is based on customer supplied information and available to customers dependent upon scheme size.

Concrete Feet

Big Foot Solar Cast Frame uses cast concrete feet with channels moulded into the top face and bushes, allowing fixing of 40mm x 40mm box section or strut.

The 80kg cast concrete foot is supplied with bushes to take bolts.



Material Specification

CONCRETE BALLAST FEET
Reinforced Concrete

METAL FRAMEWORK
Hot Dip Galvanised Mild Steel: BS EN 10219 1:1997. Welding Standard: BS EN ISO 15614-1
Galvanising: BS EN ISO 1461:1999
Salt Mist Testing: BSEN60068-2-52
Test Kb Severity 1

WORKING CONDITIONS
Suitable for internal or external applications in temperatures between -40°C to +80°C

SOLAR PANEL CLIPS
15% Glass filled Polypropylene
UV Stabilised – Colour black