

Solar Ground Mount Structures

BP GM 456 Series

BP Solar's BP GM 456 range of ground mount structures are designed to minimise installation time without compromising strength and durability. Made from a purpose designed aluminium section, the frames are corrosion resistant, strong and lightweight, making shipping and assembly in remote areas cost effective and simple.

Flexibility and versatility

The flexibility of the BP GM range of structures allows them to fit all core BP Solar module lines >65W.

The innovative BP GM mounting system allows the solar panels to be fitted to the structure via the unique "top-clamp" method quickly and simply.

The GM range is designed to comply with relevant standards to give you peace of mind and protection, and is provided as a kit, complete with all fixings, accessories and installation manuals.

Our range of structures is designed to cater for a wide variety of applications, making them an ideal solution for ground mounting small off grid systems to large project systems.

Component count is kept to a bare minimum to simplify assembly and reduce cost. The structures come complete with all stainless steel fixings, including stainless steel rag bolts to secure the feet down.

A variety of tilt angles are available and the detailed installation manual provides all information on how to assemble the right one to suit your installation.

Key Features:

- Modular and expandable design.
- High quality aluminium mounting profile.
- Stainless steel fasteners.
- Quick "topside" mounting of solar panels.
- Fast and easy to install.
- Detailed installation manual for installers.
- Designed to comply with the requirements of AS1170.
- Lightweight and robust, ideal for shipping to remote areas.
- Optional cyclonic bracing kits available.
- Corrosion resistant materials.



4x 72 cell panel configuration



6x 36 cell panel configuration

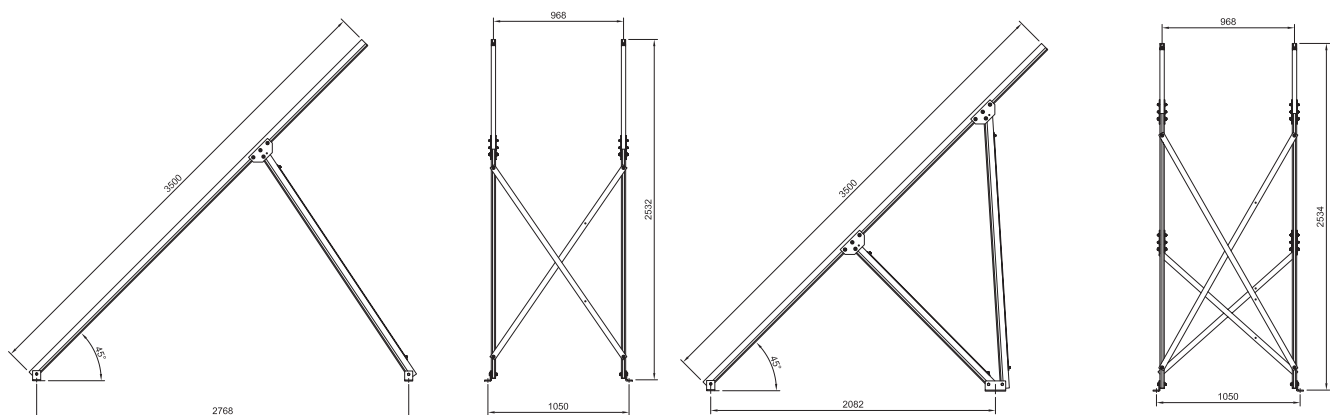
Solar Mounting Structures BP GM 456 Series

Model	BP GM 456 25	BP GM 456 35	BP GM 456 45	Upgrade Kit
General Information				
Max. No. solar panels per structure ¹				
65W	6	6	6	
75 - 85W	6	6	6	
115 - 125W	5	5	5	
140 - 175W	4	4	4	
Mounting angle	25°	35°	45°	25° or 35° or 45°
Mounting rail length (mm)	3500	3500	3500	
Rear leg length (mm)	1020	1700	2010	1450
Kit contents:	2 x mounting rails 2 x rear legs 2 x rear struts 4 x mounting feet 4 x j-rag bolts 1 x fastener and clamp kit	2 x mounting rails 2 x rear legs 2 x rear struts 4 x mounting feet 4 x j-rag bolts 1 x fastener and clamp kit	2 x mounting rails 2 x rear legs 2 x rear struts 4 x mounting feet 4 x j-rag bolts 1 x fastener and clamp kit	2 x middle legs 2 x middle struts 2 x rear mounting feet 1 x fastener kit

Mounting Requirements				
Concrete requirements (mm)				
Front foundation	Ø400 x 1000 (x2)	Ø400 x 1000 (x2)	Ø400 x 1000 (x2)	Ø400 x 1000 (x2)
Rear foundation	Ø400 x 1000 (x2)	Ø400 x 1000 (x2)	Ø400 x 1000 (x2)	400 x 1400 x 1000 (x1)
Structure Design Wind Rating ²				
Standard Structure (Reg B)	48m/s (~173km/h)	53m/s (~190km/h)	53m/s (~190km/h)	
Upgrade Structure (Reg C)	65m/s (~230km/h)	65m/s (~230km/h)	65m/s (~230km/h)	

Structure Dimensions

Solar panels not shown
Mounting centre shown for larger panels



BP GM 456 25

BP GM 456 45 Upgrade

- The mounting system is designed to cater for 72 cell panels and 36 cell panels.
- Maximum allowable wind speeds are based on AS1170. Conditions apply in relation to the effects of terrain categories and topographic multipliers. These can affect suitability for fixing with in the various regions. Each site must be assessed prior to any installation to confirm suitability.

Disclaimer: BP Solar has a policy of continuing product improvement and enhancement. BP Solar therefore reserves the right to change these specifications at any time and without notice and should not be used as the definitive source of information for the final system design.