



CONERGY

Photovoltaic Mounting Systems | Technical data

Conergy SunForte Series

The SunForte ground mount structures are specifically designed for solar installations on open terrain. The framed solar modules are installed in landscape mode. Made from a Conergy purpose built aluminium profile, the frames are corrosion resistant, strong and easy to install in a short

time. The light weight of this structure makes shipping and assembly in remote areas cost effective and simple, making it an ideal solution for ground mounting small off grid systems to large solar power system projects.



Framed modules



Material warranty

Flexibility

The flexibility of the SunForte range allows it to fit various medium and large area solar modules. It is suitable for up to six 65-85W modules, five 125W modules or four 165-175W modules.

The innovative SunForte mounting system allows the solar modules to be installed to the structure via the unique 'Conergy top-clamp' method quickly and easily. For your peace of mind the SunForte structure range is designed to comply with Building Code of Australia and Australian Standards. The structure is provided as a kit, complete with all fixings, accessories and installation information (clamps to suit 50mm module frames are included as standard).

The SunForte comes complete with all stainless steel fixings, including stainless steel j-bolts to secure the feet.

Features

- | Modular and expandable design
- | High quality corrosion resistant Conergy 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 AS/NZS 1170
- | Lightweight and robust, ideal for shipping to remote areas
- | Optional cyclonic bracing kits available



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Model	SunForte 25	SunForte 35	SunForte 45	Upgrade Kit
Mounting angle	25°	35°	45°	
Mounting rail length (mm)	3500	3500	3500	
Rear leg length (mm)	1020	1700	2010	
Kit contents	2 x mounting rails 2 x rear legs 2 x rear struts 4 x mounting feet 4 x j-bolts 1 x fastener & clamp kit	2 x mounting rails 2 x rear legs 2 x rear struts 4 x mounting feet 4 x j-bolts 1 x fastener & clamp kit	2 x mounting rails 2 x rear legs 2 x rear struts 4 x mounting feet 4 x j-bolts 1 x fastener & clamp kit	2 x middle legs 2 x middle struts 4 x mounting feet 1 x fastener kit
Concrete Foundation Requirements for Sand, Sandy Loam, Loam Non Expansive Soil *				
Foundation	One piece reinforced concrete			
Depth (max/min) (mm)	300 / 100	300 / 100	300 / 100	450 / 100
Length (mm)	3330	3330	3330	3330
Width for large modules (mm)	1050	1050	1050	1050
Width for small modules (mm)	766	766	766	766
Concrete Foundation Requirements for Clay, Firm Clay or better *				
Foundation	Concrete Piers			
Front (dia/depth) (mm)	300 / 1200	300 / 1200	300 / 1200	300 / 1200
Back (dia/depth) (mm)	300 / 1500	300 / 1500	300 / 1500	300 / 1750
Width for large modules (mm)	1050	1050	1050	1050
Width for small modules	766	766	766	766
Structure Design Wind Rating **				
Standard structure (Region B)	48 m/s (~165 km/h)	53 m/s (~165 km/h)	53 m/s (~165 km/h)	
Upgrade structure (Region C)	65 m/s (~200 km/h)	65 m/s (~200 km/h)	65 m/s (~200 km/h)	

* General exclusion: High water table, no fill or rock.

** Maximum allowable wind speeds are based on AS1170. Conditions apply in relations 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.

Available from:

SUNFORTE-TD-AUS-0704

For further information: ph 1300 551 303
Subject to technical changes
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