



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 ensures that shipping and assembly in remote areas is cost-effective and simple, making it an ideal solution for ground mounting both small off-grid systems and large solar power system projects.



Framed modules



Orientation landscape



≤ 60 m/s

Wind load



$\leq 0,75$ kN/m²

Snow load



Material warranty

Flexibility

The flexibility of the SunForte range allows for the fitting of various medium and large area solar modules.

The innovative SunForte mounting system allows the solar modules to be fitted quickly and easily to the structure via the unique Conergy SunTop III technology. Almost every type of framed module available can be used with the Conergy SunTop III system. The SunForte structure range is designed to comply with Eurocode 9 standards for aluminium structures.

An upgrade kit allows for use of SunForte even in cyclonic or other strong wind regions.

Features

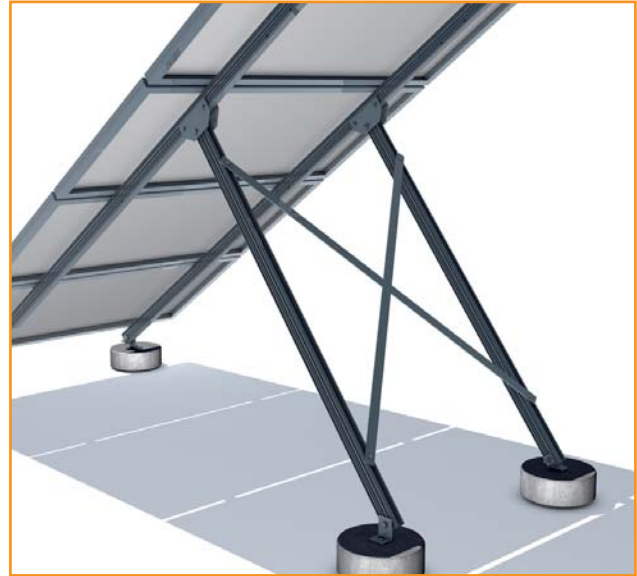
- | Modular and expandable design
- | High quality corrosion-resistant Conergy aluminium mounting profile
- | Stainless steel fasteners
- | Quick topside mounting of solar panels
- | Fast and easy to install
- | Detailed installation manual for installers
- | Designed to comply with the requirements of Eurocode 9
- | Lightweight and robust, ideal for shipping to remote areas
- | Optional strong wind upgrade kits available



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	SunForte 25	SunForte 35	SunForte 45	Upgrade Kit
Mounting angle	25°	35°	45°	
Mounting rail length	3,500 mm	3,500 mm	3,500 mm	
Rear leg length	1,020 mm	1,700 mm	2,010 mm	

Concrete Foundation Requirements for Sand, Sandy Loam, Loam Non Expansive Soil¹

Foundation	One piece reinforced concrete			
Depth (max / min)	300 / 100 mm	300 / 100 mm	300 / 100 mm	450 / 100 mm
Length	3,330 mm	3,330 mm	3,330 mm	3,330 mm
Width for large modules	1,050 mm	1,050 mm	1,050 mm	1,050 mm
Width for small modules	766 mm	766 mm	766 mm	766 mm

Concrete Foundation Requirements for Clay, Firm Clay or better¹

Foundation	Concrete Piers			
Front (dia / depth)	300 / 1,200 mm	300 / 1,200 mm	300 / 1,200 mm	300 / 1,200 mm
Back (dia / depth)	300 / 1,500 mm	300 / 1,500 mm	300 / 1,500 mm	300 / 1,750 mm
Width for large modules	1,050 mm	1,050 mm	1,050 mm	1,050 mm
Width for small modules	766 mm	766 mm	766 mm	766 mm

Structure Design Wind Rating²

Standard structure	48 m/s (~165 km/h)	53 m/s (~165 km/h)	53 m/s (~165 km/h)
Upgrade structure	65 m/s (~200 km/h)	65 m/s (~200 km/h)	65 m/s (~200 km/h)

¹ General exclusion: High water table, no fill or rock.

² Maximum allowable wind speeds are based on local standard codes. Conditions apply in relation to the effects of terrain categories and topographic multipliers. These can affect suitability for fixing in the various regions. Each site must be assessed prior to any installation to confirm suitability.

Available from: