



SUNFORMER 25

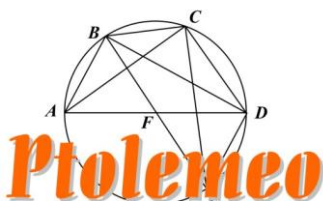
Mounting System for Solar Modules

Suitable for all kind of photovoltaic modules

Maximum mounting flexibility, efficient design and ease of assembly

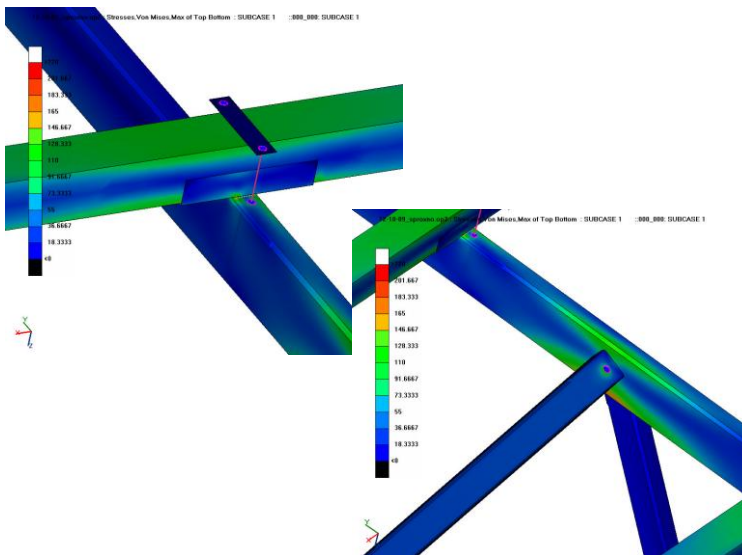
Galvanized in hot steel components with warranties exceeding life-span

Reduced material and labor cost



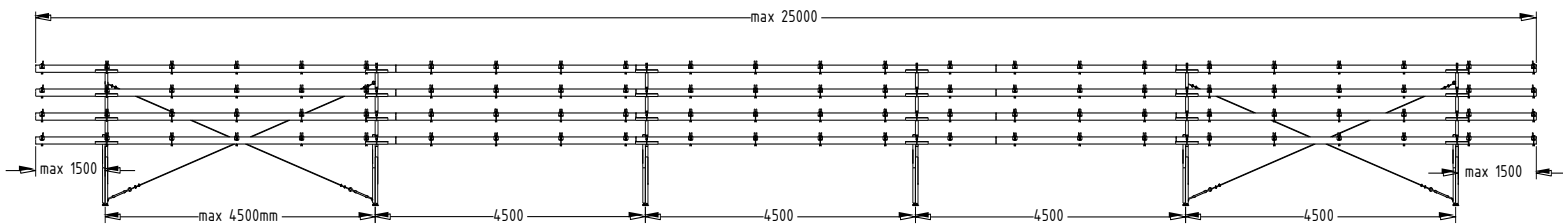
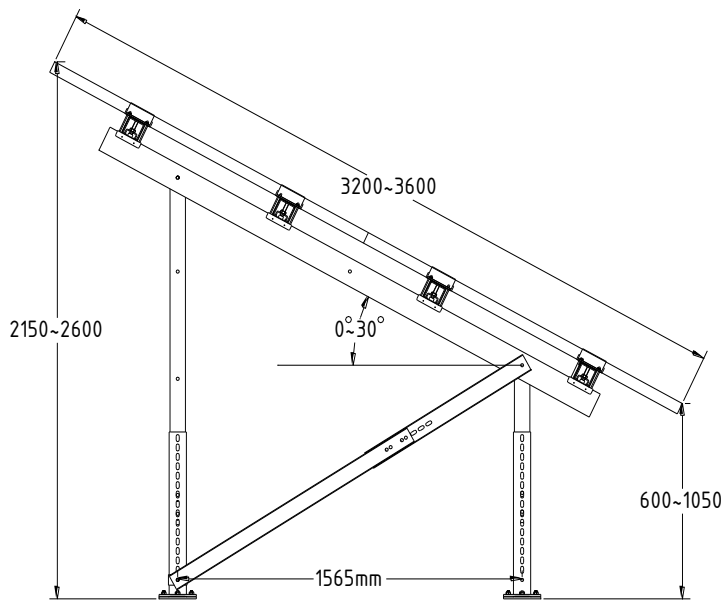
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Characteristics	Advantages	Benefits
<ul style="list-style-type: none"> Flexibility in grounding method: concrete foundation or metal screws (concretless method) 	The most suitable method is applied according to the geotechnical data and the project specifications	The safest and most cost effective method can be used
<ul style="list-style-type: none"> Assembly Steel components with no welding parts 	There are no local thermal deformation of the components.	Excellent price per Watt ratio.
<ul style="list-style-type: none"> Minimum number of components despite the large variety of lengths 	Fast and accurate order processing	Reduced cost in design, transportation and installation.
<ul style="list-style-type: none"> Length of arrays between 2.5 to 25m with 1.5m step 	No design limitations.	Effective design and use of field area
<ul style="list-style-type: none"> The distance between the holding points of the pv modules is $\frac{1}{4}$ of their length 	This is the only certified way by solar panel manufacturers of assembly. No concern for extreme weather conditions	Accepted method by insurance companies
<ul style="list-style-type: none"> A large number of pv modules fits in minimum number of components 	Up to 13.000Wp per array are mounted on 6 frames	Reduced founding cost
<ul style="list-style-type: none"> 48 pv modules can be used in a full array. 	The divisions of 8, 12, 16 or 24 pv modules create strings according to almost any type of inverter	Reduced cost in cables and labor. Perfect order at the electrical connections. Complete strings that do not need to split over two arrays
<ul style="list-style-type: none"> Many degrees of freedom in assembling 	The structure can be freely adjusted up to 50cm in height, 30cm in length and 4cm in width	Time effective installation with easy adjustments



Endurance calculations using the finite element method simulations by the Mechanical Engineering Department of the Aristotle University of Thessaloniki

Characteristics	Advantages	Benefits
<ul style="list-style-type: none"> Minimum distance between the ground and the frame 70cm. 	Cleaner surfaces without dust and shades from vegetation	Minimal maintenance cost
<ul style="list-style-type: none"> Cylindrical shape surface at the top of the vertical frames allowing for an assembly angle 84°- 96° 	The assembly can follow the ground slope	Less earthworks and founding costs
<ul style="list-style-type: none"> All components are made by hot dipped galvanized steel 	Warranty exceeding lifespan	No need for repairs or replacement of any part
<ul style="list-style-type: none"> Unique design for easy installation 	The mounting of the pv modules may be done from the ground without any need of lifting means	Very low labor cost. No need for specialized staff
<ul style="list-style-type: none"> Special trails for cables 	Aesthetics and ease in installation	Time endurance, installation speed.
<ul style="list-style-type: none"> Special parts for the suspension of the inverters at the side of the frame 	Ease in installation. Avoidance of destruction of the galvanized surface for hole drilling	Mounting of the inverters at desired position with no extra effort
<ul style="list-style-type: none"> The frames can be delivered preassembled 	This method renders “Sunformer 25” unique and unrivalled	The installation time may be reduced by 50% (Requires very accurate survey measurements)
<ul style="list-style-type: none"> ISO 9001:2008 and CE certified 	Accuracy and repeatability	Assembling of various parts independently of batch and production date
<ul style="list-style-type: none"> Compliance to Eurocode I and III, certified by TÜV Hellas 	Quality assurance	Increased endurance with respect to all standards.





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