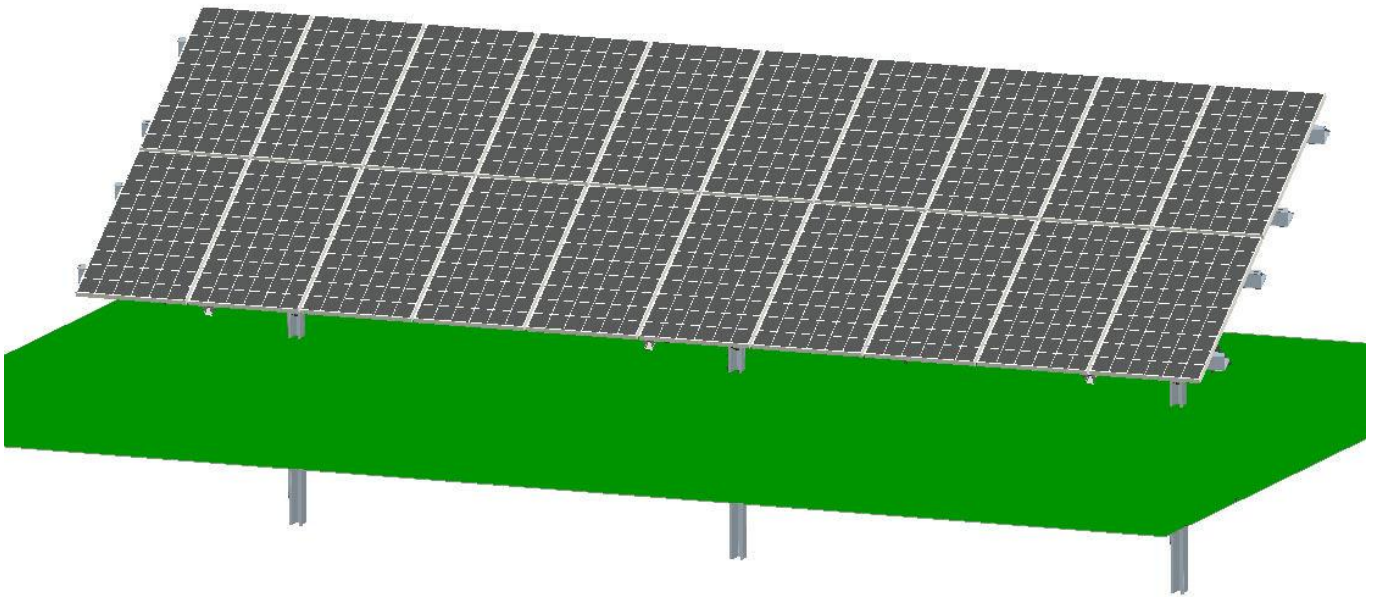


SPAL Mount Product Sheet



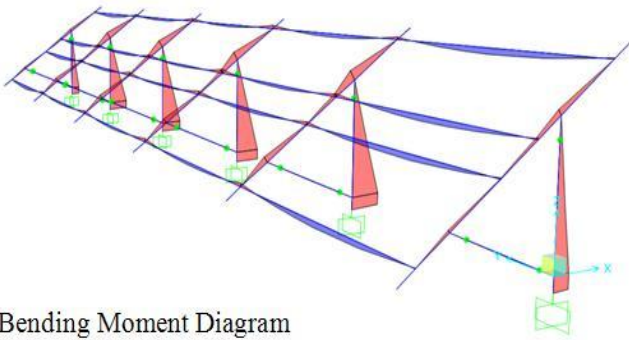
Compared with the SPAS, the SPAL Mount uses aluminum components, which makes the system light and saves transportation costs. It is also easy to recycle and adds corrosion resistance.

SPAL Mount features:

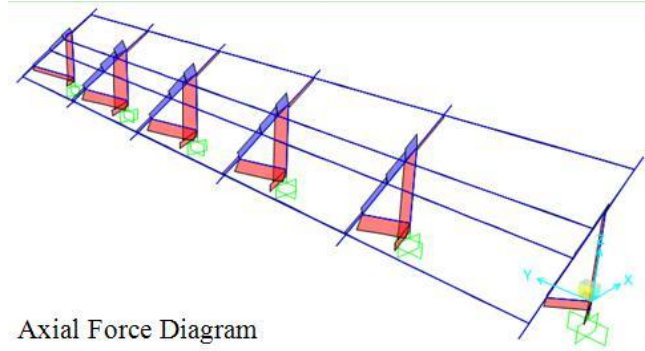
- * Suitable for any type of terrain and climate.
- * Pre-assembled parts allow for quick and easy installation.
- * Compatible with any type of solar panel.
- * Aluminum is easy to recycle, reduces weight and adds corrosion resistance.

Key Features

*Well-designed after careful calculation in accordance with SAP2000



Bending Moment Diagram

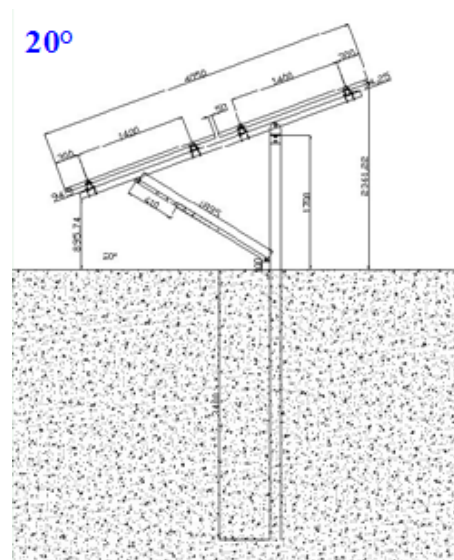
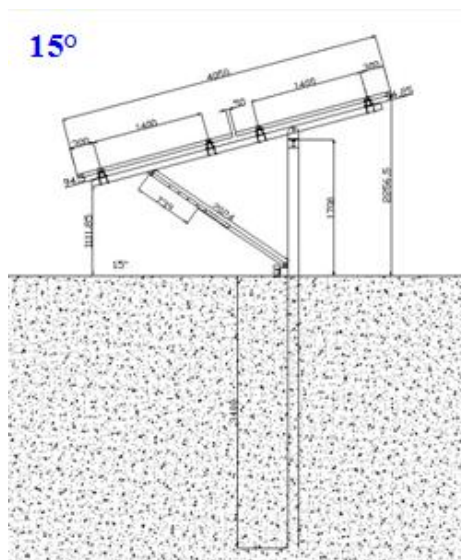


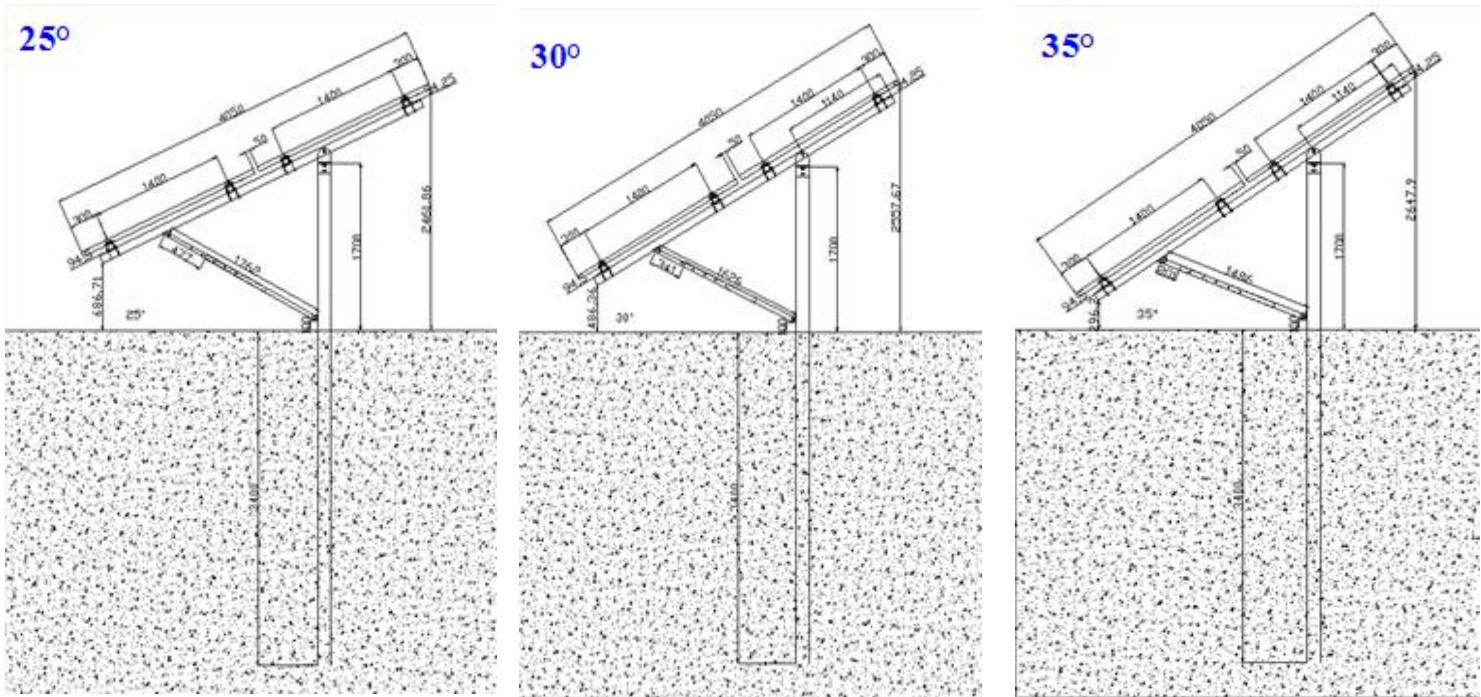
Axial Force Diagram

- *Made with high quality, durable materials
- *Pre-assembled parts allow for quick and easy installation
- *Suitable for any type of solar modules

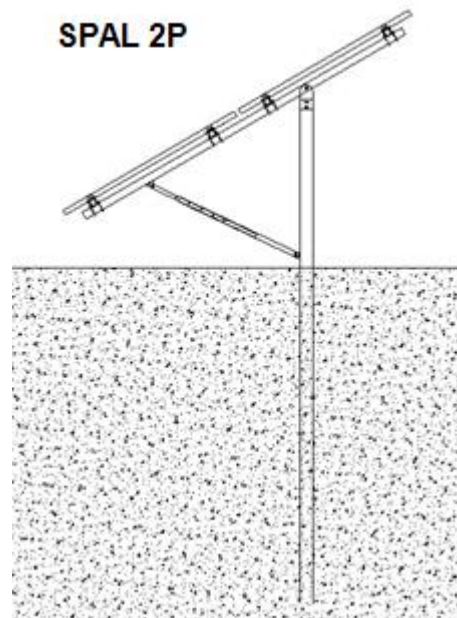
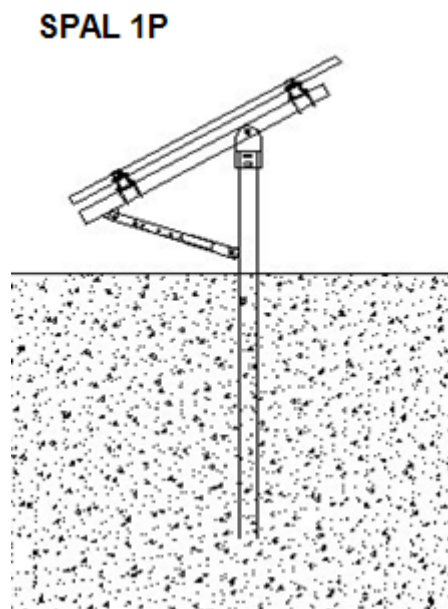
Project planning

There are five angles available in our SPAL Mount – 15°, 20°, 25°, 30° and 35°. Choose the best angle according to your location.

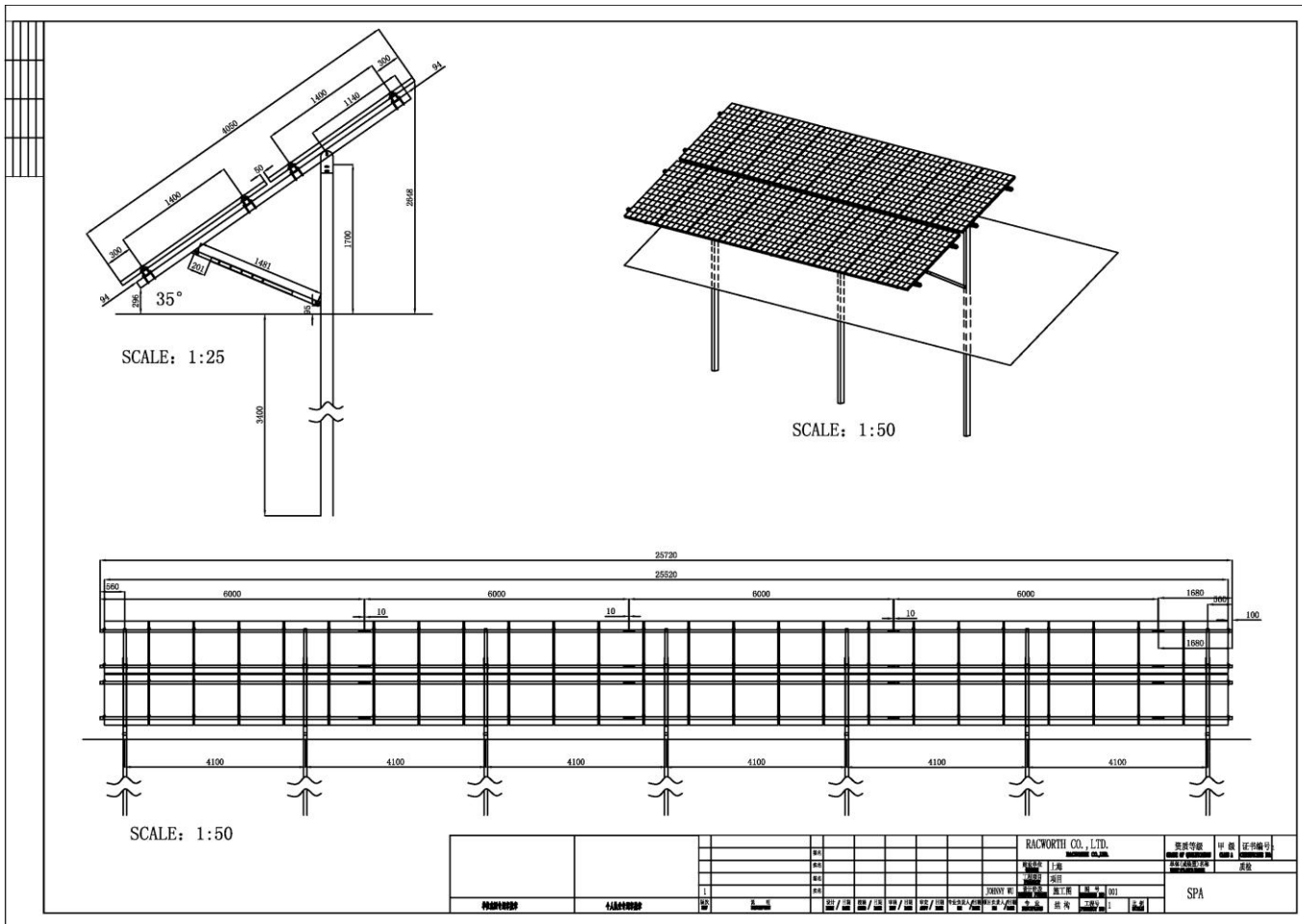




Mounting options



Example of typical project planning



PROJECT	ALABAMA	A3	5	10	20	30	40	50	60	70	80	90	100	RACWORTH CO., LTD.	製造所	作業	竣工	検査		
														作業	検査	竣工	製造所	作業	検査	竣工
														製造所	作業	検査	竣工	製造所	作業	検査
SPA																				

Technical data

Product series	SPAL-1P	SPAL-2P
Material	Module bearing profiles: Binders: Foundation post: Screws / nuts:	Aluminum Aluminum Hot-deep galvanized steel 304 stainless steel
PV Module	Framed or unframed	
Module Layout	One row, up to approx. 25m (82ft)	Two rows, up to approx. 25m (82ft)
Module Numbers	25 pieces of PV module.1960x992x50	50 pieces of PV module.1960x992x50
Module inclination	15°,20°,25°,30°,35°	
Ground clearance	30-90cm (12-35in)	
Basement	Embedment in soil	
Span	4M (13.12ft)	
Girder	Aluminum	
Purlin	Aluminum	
Fastener	304 stainless steel	
Color	Mill finish	
Maximum wind load	108Km/h (67.5mph)	
Maximum snow load	0.6KN/M ² (13kPa/psf ²)	
Design capacity	about 7.5kW	about 15kW
Standards	International Building Code IBC2009, ANSI/AISC 360-05, ASCE/SEI 7-10, ACI 318-08	
Structural analysis	According to current national standards. Structural analysis with specifications on foundation dimensions as well as an anchor recommendation depending on the respective wind and snow loads that have to be considered.	