



(1) 4 x 3 Ground Mount Table

Size of Project: 3 kWp with 12 Modules

Orientation & Tilt Angle: Landscape at a 35° Tilt Angle

Type of Installation: Ground Mount Structure

The mounting structure has been quoted with standard S:FLEX rails and materials in accordance with the 2006 International Building Code (IBC). The structure is intended for attachment to an appropriate concrete footing or rammed post. More accurate details about the site and soil conditions may influence the design, engineering and pricing. Please see all design assumptions on page two of this estimate.

Materials: Support Structure *Aluminum 6063-T6*
Fasteners *Stainless Steel 18-8*

Item No.	Description	Quantity per Table	Total Quantity†
013-000-01	Top Rail ST-AK 13/60 (14 ft)	6	6.00
182-000-01	ST-AK 182/120 (16.3 ft)	2	2.00
2VP-000-01	Vertical Front Post (3.3 ft)	2	2.00
2VP-000-01	Vertical Back Post (7.9 ft)	2	2.00
3DS-000-01	Diagonal Strap (7.2 ft)	2	2.00
3DS-000-01	Diagonal Strap (9.5 ft)	2	2.00
5BB-000-01	Pre-assembled Bearing Block G	4	4.00
4FR-END-01	Module End Clamp G	12	14.00
4FR-MID-01	Module Mid Clamp G	18	20.00
4CA-HD0-01	Cross Adapter G (2)	24	26.00
6DS-080-01	M10 X 80MM SHCS 18-8 S/S	8	10.00
6VA-120-01	M10 X 120MM SHCS 18-8 S/S	8	10.00
7SP-000-01	Sigma Post (3.4 ft)	4	4.00

Shipping, engineering, drafting fees, and wet stamp are not included in the total system price.

To optimize the shipment, rails might be sent at different lengths.



Design Assumptions:

Project	SPS GM
Size of Project	3 kWp with 12 Modules
Orientation & Tilt Angle	Landscape at a 35° Tilt Angle
Wind Speed	90 mph (3 second gust)
Wind Exposure Category	C
Snow Load	30 psf - Attention: Unless the local jurisdiction dictates a minimum snow load, a reduction according to IBC has been applied and set at 18.144 psf. The customer has to verify this with the local jurisdiction.
Occupancy Category	I
Altitude	6000 ft above sea level
Terrain Type	Flat Lot
Mean Table Height	5.55 ft
Size of Table	approximately 13.5 ft x 16.3 ft
Distance between Posts	Front to Back - 6.5 ft, Left to Right - 9.5 ft
Total Dead Load	4.52 psf
Seismic Zones/Loads	up to 0.9 g
Connection Safety Factor	2.00
Minimum Height Clearance	24"
Ground Connection	The (4) 3.4 ft steel Sigma Post lengths have been estimated according to information provided and experience with similar ground mount tables. Foundation engineering by a local, qualified P.E. is highly recommended. Option 1 - Concrete embedment requires shorter sigma posts. Typical hole diameter is 18" but this dimension and the embedment depth can only be accurately determined following a soil report. Option 2 - Rammed post requires longer sigma post. Typical embedment depth varies according to soil type and can only be accurately determined following a compression and pull out test report. Foundation engineering by a local, qualified professional engineer is highly recommended.
Code Compliance	2006 International Building Code (no specific local amendments)

Lead Times:

Delivery is 4 to 6 weeks after receipt of order.

Delivery:

F.O.B. Factories in USA or Canada or F.O.B. Warehouse in Denver. Delivery to job site available upon request. Shipping is not included in quote. The weight of this order is 255.2 lbs.

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