SolarStrap^M

| PV Panel & Racking Information | | | NOTE: | All cells in b | lue require us | ser input. | | | ASCE 7-16 |
|--|---|--|---|--|---|--|-----------------|-------------------------------------|-------------------------|
| | Racking Dis Inter Row S Panel Tilt A System Dis Array Heigh | th, $I_{panel} =$ h, $W_{panel} =$ h, $W_{PV} =$ buted Weight, $W_{PV,e}$ stributed Weight, W_{r} pacing ngle tributed Weight, W_{sy} | acking,dist = | | 65.28-in. 39in. 41.88-lb 2.37-psf 5.0-lb 13in. 5.° 1.99-psf .92-ft 12 | For elevated rackin | ng select 15.1° | | |
| <u>Building Geom</u> | Building He Parapet He | - | , W _L = | | 40.0-ft .0-ft 200.0-ft | | | | |
| | Max Set Back Dist = Is array greater than 500sqft? Total Array sqft Lb = | | | | 20.0-ft No 283 SQ-FT 35.78-ft | If setback is greater than factor of ${\bf 1.5}$ must apply to first two rows all directions T | | | |
| Wind Load Crite | eria (per ASC | E 7-16 Chapters 26 | <u>6 & 30)</u> | | | | | | Code Section |
| | Basic Wind Exposure C Risk Catego | | | | | 95-mph C II | | ATC Hazards | 26.5.1 26.7 1.5.1 |
| | Velocity Pre Topographi Directionali Velocity Pre | | | I | 1.04 1.00 0.85 20.49-psf | | | 26.10-1 26.8.2 26.6 30.3.2 | |
| | aW aD qZ M fn A uplift A drag arapet Factor ilding Factor | 0.6 1 20.49-psf 46.88-lb 17.613 SQ-FT 1 1.11 | | | | | | | |
| Wind uplift Cale North Cad North Lead East & Wes Field South Ca South Lead Fully Attached I If set back ey | orner ing Edge it Edges d orner ing Edge arge array ree | Area 1x1 1 133 2 97 3 12 4 97 5 144 6 88 | 7.36-lb 61.30-lb 1.40-lb 85.34-lb 7.36-lb 61.30-lb 5.44-lb 97.36-lb 3.74-lb 97.36-lb 5.44-lb Reduction pe | 109.38-lb 73.32-lb 97.36-lb 73.32-lb 109.38-lb 85.34-lb | 2x2 73.32-lb 49.28-lb 73.32-lb 49.28-lb 85.34-lb 61.30-lb 1803163 128.01-ft | DownForce 169.70-lb 169.70-lb 104.72-lb 93.89-lb 104.72-lb 93.89-lb | | | |