

❖ Single Cantilever / Shared Purlin – Modules in Landscape

Single cantilever column and beam supports can be either 'Full' or 'Partial' cantilever, where the beam attaches to the column. In this form, we offer Straight or Tapered beams - applied in the field by welding or bolting to the columns.

The 'Shared Purlin' design consists of two (East/West) parallel purlins evenly spaced north to south, located below the length of the module perpendicular to the solar modules width. Adjacent module rows share the purlin and top clamps, which are positioned along the 'long side' of module frame at the optimum strength locations.

Modules

60 or 72 cell (39" W): 5, 6, 7 or 8 rows up to a 26'-8" wide structure

Columns

Wide Flange Beam: ASTM A992 Gr. 50

Spacing: 27ft O.C.

Finish: One coat tinted water base rust inhibitive primer

Optional: Hot Dip Galvanized ASTM A123

Beams

Wide Flange Beam: ASTM A992 Gr. 50

Spacing: 27ft O.C.

Finish: One coat tinted water base rust inhibitive primer

Optional: Hot Dip Galvanized ASTM A123

Purlins

Cee Purlin: Cold Formed #14ga. Steel ASTM A570 Gr. 55

Typ Size: 10" x 3-1/2"

Finish: ASTM A653 G90 Galvanized

Trim

Purlin End Caps: Cold Formed #14ga. Steel Gr. 55

Typ Size: 10-1/8" x 2-1/8" #14ga.

Finish: ASTM A653 G90 Galvanized

Module Mounting to Purlin

Top Clamps: W/2 Self Drilling Screws-#12

Option: Top Clamps W/Thru-Bolt (requires drilled hole)

Preferred: SkyGrip Top Clamps-Self Grounding

Options

Rainproof Decking

Rain Gutters



Full Cantilever - Shared Purlin - Straight Beam



Full Cantilever- Shared Purlin - Tapered Beam



Shared Purlin –End Cap Trim



Rainproof Decking with Rain Gutter