

❖ Single Cantilever / Dual Purlin – Modules in Portrait

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 'Dual Purlin' design consists of two parallel purlins (East/West) evenly spaced below the module, at optimum strength locations perpendicular to the solar modules length.

Modules

60 cell (65"): 3, 4 or 5 rows up to 27'-4" wide

72 Cell (77"): 2, 3 or 4 rows up to 25'-10" wide

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

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 A 570 Gr. 55

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

Finish: ASTM A653 G90 Galvanized

Trim

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

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



Partial Cantilever- Dual Purlin - Straight Beam



Full Cantilever- Dual Purlin - Straight Beam



Partial Cantilever- Dual Purlin -Tapered Beam



Purlin End Cap - Trim