

❖ Multiple Post Canopy – Dual Purlin – Modules Racked

Multiple Post Canopy with solar modules racked south on Dual purlins is a proven effective approach to cover large areas. Applications include school break areas, playgrounds, municipal parking lots and parking garage top coverage. Solar tilt angles can be 5, 10 or 15 degrees in portrait or landscape. Sizes can be from small to large areas, configurable to power requirements.

Modules

60 or 72 cell platforms

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

Zee and Hat Purlins: Cold Formed Steel #14ga. ASTM A570 Gr. 55

Typ Size: varies by design

Finish: ASTM A653 G90 Galvanized

Module Mounting to Purlin options

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

Top Clamps W/Thru-Bolt (requires predrilled holes)

Thru-Bolt Module Frame holes (requires predrilled holes)

Preferred: SkyGrip Self Grounding Mid Clamps



Multiple Post Canopy – School Break Area



School Playground



Municipal Airport Parking Lots



University Parking Garage Top