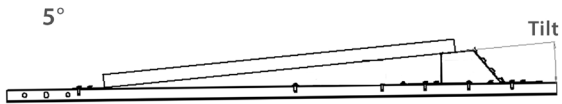


# Grid-Lite™ ROOF SYSTEM



## Technical Data Sheet



A cost effective ultra-low weight ballasted system

Interlocking grid design combined with next-gen wind deflector reduces ballast to minimal or zero

Industry's best system to handle most severe seismic conditions

Integrated wire management trays enable string wiring throughout entire array prior to panelizing

Near zero ballast saves up to \$.02/watt

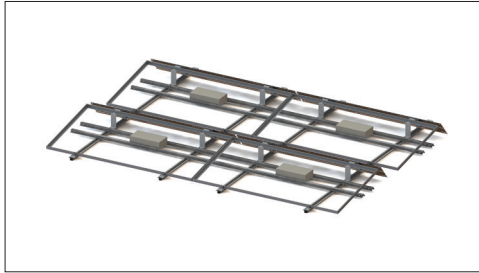
Fast install with minimal components

5 and 10° tilts

Durable G90 and stainless steel components



## Technical Data Sheet



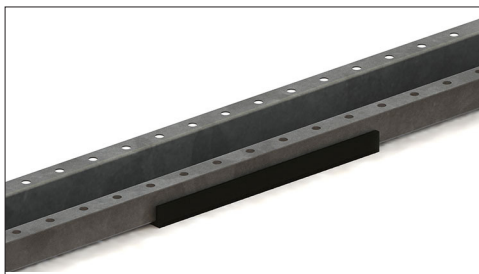
Ultra high grade, galvanized, interlocking rails install quickly to build grid



Next-gen wind deflector reduces ballast to minimal or zero



Integrated wire management trays enable string wiring throughout entire array



Snap-on EPDM blocks available in place of slip sheets

## Features

- Fire proof, durable galvanized and stainless steel components
- Minimal ballast when required on edges, quickly installs with additional rail
- Ultra high grade, galvanized, interlocking rails install quickly to build grid
- Typical roof loading 0 to 1 psf [48 Pa] for ballast; 2.5-3.5 psf [120-168 Pa] total load including ballast, panels and racking
- Less ballast and related labor reduce total installed cost
- Full layout and engineering analysis for every project
- Snap-on EPDM blocks available in place of slip sheets
- Unique design protected under patent pending

## Test & Certification

- Class A fire rating tested by ETL to UL 1703 & 2703: Covers essentially all available modules (Fire guards optional at additional cost)
- ETL / UL 2703 listed
- Independent assessment by Black & Veatch
- 60 psf [2.9 kPa] ground snow load rated
- Meets IBC and ASME standards for structural loading
- Wind tunnel testing industry leader CPP and rated for 150 mph wind speed
- Warranty 20 years

## Calculations

- 100% code compliant designs for any locality
- Third-party structural PE stamped drawings and calculations
- Individual system structural calculations
- Individual system design calculations based on regional climatic load values according to IBC 2009 or 2012
- Patent pending profile geometries with optimum material utilization

## Material

- Rails, panel supports, wind deflectors, fire guards optional at additional cost:
  - G90 galvanized steel
- Panel clips: stainless steel
- Hardware – 1/4"–20 x 2-1/2" bolts with serrated flange nuts, 5/16" x 1/2" machine screws, 3/8" x 1-3/4" bolts with serrated flange nuts: stainless steel or magnacoat

## System Geometry / Layout Spacing

- Pan row spacing: 5 and 10° tilt option; 10.16/18.09" [258 mm/459 mm]
- Shade angles: 5 and 10° tilts; 22° shade angle

## Grounding

- Racking system has integrated grounding utilizing ETL / UL teathed panel clips on two corners of each array
- Grounding must be done by electrician at row end of corner array