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PVshield
Specification Sheet
PV Wire Management System

A. System Specifications and Ratings

- Maximum Voltage: 1,000 Volts
- Allowable Wire Size: 14 AWG – 8 AWG
- Wire Capacity
  - For typical capacities, see Table 1 and Table 2
  - Verify with applicable codes and wire dimensions
  - Cross Sectional area with wire catch in closed position: 0.99 in^2
  - Cross Sectional area with wire catch in open position: 1.29 in^2
- Compatibility
  - Mount to typical solar panel frame with PVS Clip
  - Mount to racking and structural components with #8 truss head self drilling screw
- Spacing and Clearance
  - For rooftop arrays only:
    - Minimum clearance of 3 inches between module backsheet and roof surface
    - Minimum 1/4 inch gap between modules
  - Minimum 1 inch space between PVshield and module backsheet and any MLPEs.
  - Max distance between support points: 45 inches
- Maximum Ambient Temperature: 70°C
- Periodic Re-inspections: If re-inspections yield loose components, loose fasteners, corrosion between components, or warping, immediately replace components that are found to be affected.

Table 1: Capacity for Typical PV Cable

Quantity	Gauge
10	14 awg
8	12 awg
7	10 awg
4	8 awg

Table 2: Capacity for Enphase Q-Cable

Quantity	Gauge
5	2-12 awg trunk cable