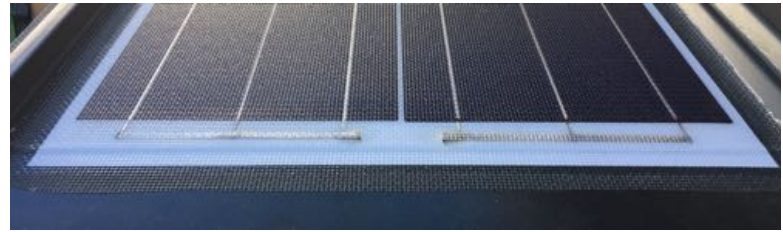




# Steel Roof Solar

Solar Built Into Steel Roof Sheet

## 220W Module



### FEATURES:

- Crystalline Silicon photovoltaic module with steel. Using ETFE, EVA resin, Coating Steel module for outdoor use.
- High Power module using 6" multi crystalline solar cells.
- Bypass diode is attached minimize power reduction cause by shade.
- 48~144 Pcs solar cells and connection in series.
- Avoids the expense of rocks. No roof penetrations. Aesthetically superior.
- Laminates are lightweight and easy install.
- Synchronized PV and roof warranty, 10 years limited warranty of 90% and 20 years limited warranty of 80% power output.

Introducing the latest advancement in cost saving for solar installations. This metal roof sheeting has built-in solar power generation capability.

This rugged 22ga. steel panel is a complete solar module, compatible with existing solar equipment and wiring. Each panel includes wiring and connectors to reach the adjacent panels.

### ABOUT SUNNYCAL SOLAR

We have been providing turn-key solar power systems for more than a decade. From our production facility in Central California, we ship direct to customer sites, and have a network of trained installation contractors.

Learn more





# Steel Roof Solar

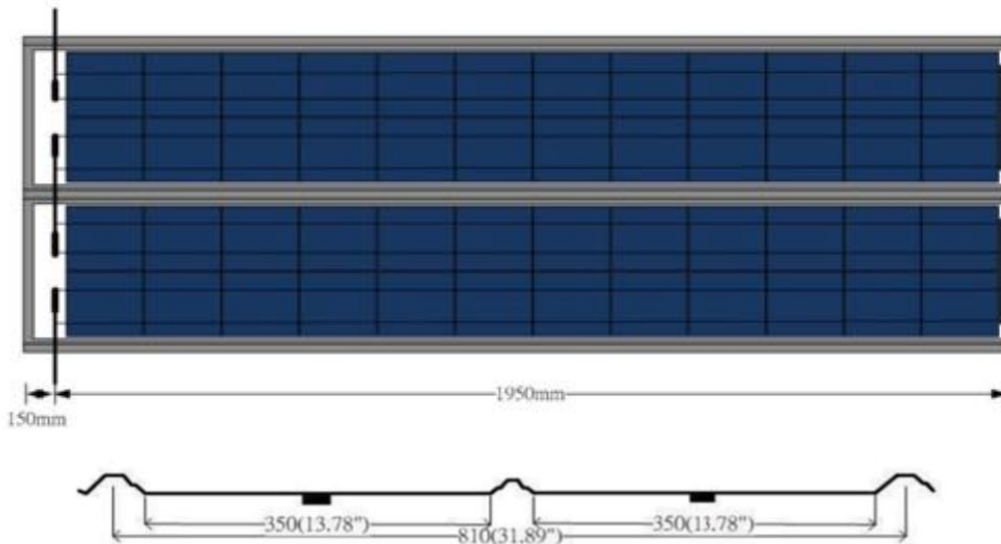
Solar Built Into Steel Roof Sheets

## 220W Module

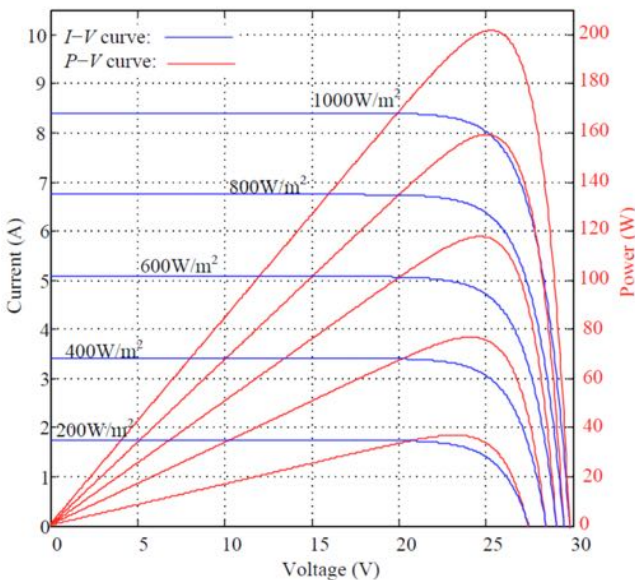
Light weight solar module  
AP-PVROOF-522

ABSOLUTE MAXIMUM RATINGS		MECHANICAL CHARACTERISTICS	
Parameters	Rating	Dimensions (mm)	2100x870
Operating Temperature (°C)	-40~ 90	Weight (kg)	16
Storage Temperature (°C)	-40~ 90	Packing	
Dielectric Voltage withstood (V)	DC 2200		

Standard Test Conditions: AM1.5, 25°C, 1000W/m<sup>2</sup>



Dimensions:  
81.1" x 34.25"  
J-Box 1.0" deep



Temperature Coefficient of Isc: 0.08%/°C  
 Temperature Coefficient of Voc: -0.32%/°C  
 Power Temperature Coefficient: -0.38%/°C  
 NOCT: 46±1°C

- U.S. Patent SN:13107909, Filing Date: 5/14/2011, A+nergy

**Grounding-** Size and earth the equipment grounding conductor in accordance with local requirements or the NEC. Attach the equipment grounding conductor to the steel sheet.

To prevent damage, avoid walking on solar cell area of roof sheet.