



**Aplus Energy**  
Aplus Energy Co., Ltd.



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# APLUS ENERGY OFFERS ANOTHER ALTERNATIVE TO GLASS SOLAR PANEL.

## Steel PV Roof - Solar Corrugated Metal Roof

Combine roof and solar modules in one.

Certified for residential and commercial use.

Aplus Solar Corrugated Metal Roofs are lightweight, durable, impact-resistant, and easily installed.



**AP-PVROOF-724 175W** 2200x522/86.61x20.55(mm/inch)

## APLUS ENERGY CO., LTD.

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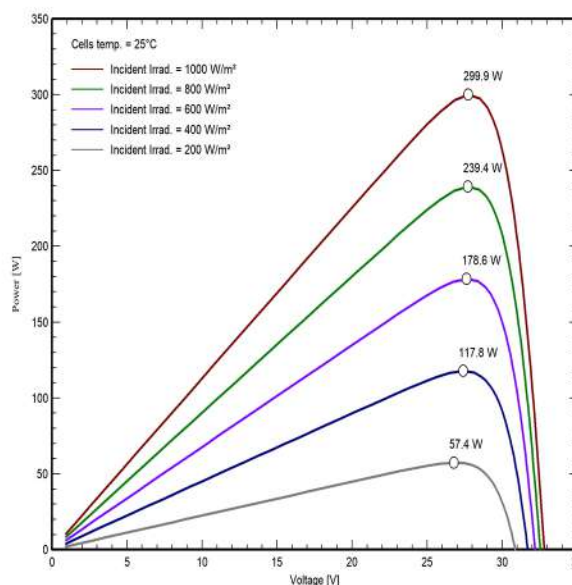


## FEATURES:

- Crystalline silicon solar cells are laminated directly to the metal roof panel.
- Pre-painted steel coated by 55%Al-Zn Alloy for outdoor use.
- Bypass diode is attached to minimise power reduction caused by shade.
- Long-term durability and stain resistance.
- Avoids the expense of mounting racks and roof penetrations.
- Aesthetically superior in design, lightweight and easy to install.
- Synchronised PV and roof warranty, 10 years limited warranty of 90% and 20 years limited warranty of 80% power output.

### ABSOLUTE MAXIMUM RATINGS

Parameters	Rating
Operating Temperature (°C)	-40~+90
Fire Class	C
Mechanical Load Limits (lb/ft <sup>2</sup> )	33



Temperature Coefficient of Isc: 0.0686%/°C

Temperature Coefficient of Voc: -0.362%/°C

Power Temperature Coefficient: -0.4359%/°C

NOCT: 43.6±1°C

Standard Test Conditions: AM1.5, 25°C, 1000W/m²

### ELECTRICAL CHARACTERISTICS

Module Type	AP-PVROOF-724
Pmax (W)	175
Vpm (V)	27.51
Ipm (A)	6.725
Voc (V)	32.07
Isc (A)	7.07
Cell (PCs)	44-Half
Cell Efficiency (%)	25
Max. System Voltage (V)	600
Series Fuse Rating (A)	12
Performance Tolerance	+3%

### MECHANICAL CHARACTERISTICS

	AP-PVROOF-724
Dimensions (mm/inch)	2200x522/86.61x20.55
Weight (kgs)	9
Packing/Pallet (pcs)	50
40' Container (pcs)	2200