

AP-PVROOF

Light Weight Solar Corrugate Metal Roofing



FEATURES:

- Mono-Crystalline silicon solar cells laminated directly to metal sheets.
- Pre-painted 55% Al-Zn Alloy-coated steel for outdoor use.
- Bypass diode is attached minimize power reduction cause by shade.
- Light weight and easy to install.
- Avoids the expense of racks.
- No roof penetrations.
- Long-term durability and stain resistant.
- Aesthetically superior in design.
- Synchronized PV and roof warranty,10 years limited warranty of 90% and 20 years limited warranty of 80% power output.

ELECTRICAL CHARACTERISTICS			
Module Type	AP-PVROOF-319	AP-PVROOF-315	AP-PVROOF-522
Pmax (W)	150	225	300
Vpm (V)	13.9	20.85	27.8
Ipm (A)	10.79	10.79	10.79
Voc (V)	16.1	24.1	32.8
Isc (A)	11.33	11.33	11.33
Cell No.	24	36	48
Cell Efficiency (%)	22.7	22.7	22.7
Max. system Voltage (V)	600		
Series Fuse rating (A)	12		
Performance Tolerance	+3%		

APLUS ENERGY CO., LTD.

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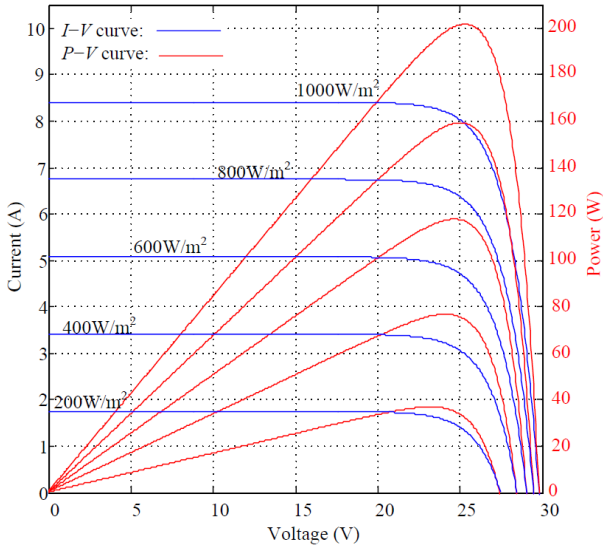
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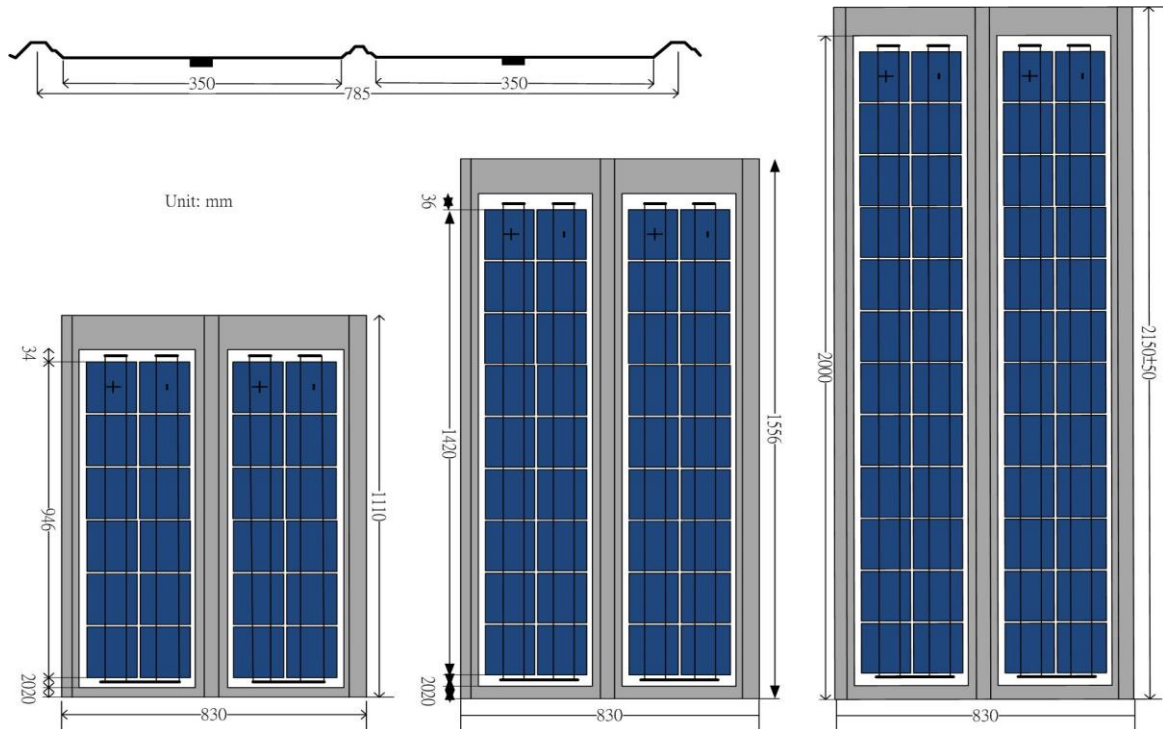


Temperature Coefficient of Isc: 0.06369%/°C
Temperature Coefficient of Voc: -0.2831%/°C
Power Temperature Coefficient: -0.3654%/°C
NOCT: 41±1°C

ABSOLUTE MAXIMUM RATINGS	
Parameters	Rating
Operating Temperature (°C)	-40 ~ +90
Fire Class	C
Mechanical Load Limits (lb/ft²)	33

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

MECHANICAL CHARACTERISTICS	AP-PVROOF-319	AP-PVROOF-315	AP-PVROOF-522
Dimensions (mm/inch)	1110x830/43.7x32.67	1586x830/61.26x32.67	2150x830/84.6x32.67
Weight (kgs)	7	10	15.5
Packing/pallet(pcs)	50	50	50
20' Container(pcs)	1000	500	500



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