



A2 Series



The A2 Series of DuPont Apollo photovoltaic modules are designed and manufactured using the cutting edge amorphous silicon (a-Si) thin-film technology. With unique features and capabilities, they are your ideal choice for a sustainable energy future.

Distinct Advantages

- **Higher Return on Investment**

With their remarkable weak light absorption capability, A2 series modules are able to generate much more electricity output (kWh) than traditional crystalline cells under normal outdoor conditions.

- **Shorter Energy Payback Time**

With the absorber layer thickness a mere 1/200 of that of traditional crystalline cells, they consume little silicon and less encapsulant, and therefore are produced with less electricity, delivering effective energy payback period.

- **High Quality and Reliability**

Due to their modular and monolithic nature, A2 series modules have higher reliability and better performance ratio than traditional solar panels. These edges are further strengthened by their moisture resistant encapsulation and robust design.

DuPont Apollo thin film modules have been granted the highly sought-after UL 1703 Certification.

- **Building Integration and Wide Applications**

With "see-through" capability and aesthetic design, DuPont Apollo modules can seamlessly integrate into a building, and can be used as rooftops, curtain walls or ground-mounted solar farms, particularly suitable for large scale application as a result of their high system voltage.



- **Green and Clean**

The embodiment of the greenest and cleanest source of energy on earth, the modules do not pollute our environment not only during the process of converting sunlight to electricity, but also during their manufacturing process.

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A2 Series



- ✓ High Energy Yields
- ✓ Stable Power Output
- ✓ Robust Encapsulation
- ✓ Easy Mounting

Product Specifications

Model	DA090-A2	DA095-A2	DA100-A2	DA105-A2
Technology	Amorphous Silicon (Single Junction)			

Electrical Characteristics

Maximum power output (Pm)	90W	95W	100W	105W
Voltage at Pmax point (Vpm)	71.5V	74.2V	77.0V	79.7V
Current at Pmax point (Ipm)	1.26A	1.28A	1.30A	1.32A
Open circuit voltage (Voc)	94.7V	97.0V	99.3V	101.6V
Short circuit current (Isc)	1.54A	1.55A	1.55A	1.56A

Mechanical Characteristics

Dimensions	L 55.5" x W 43.7" x H 1.4" (L 1,409 x W 1,110 x H 35mm)
Weight	44.1 lb (20Kg)

Temperature Coefficients

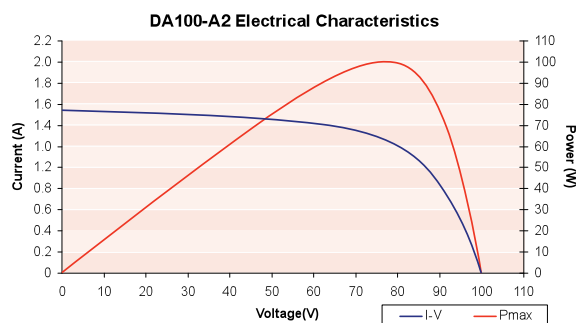
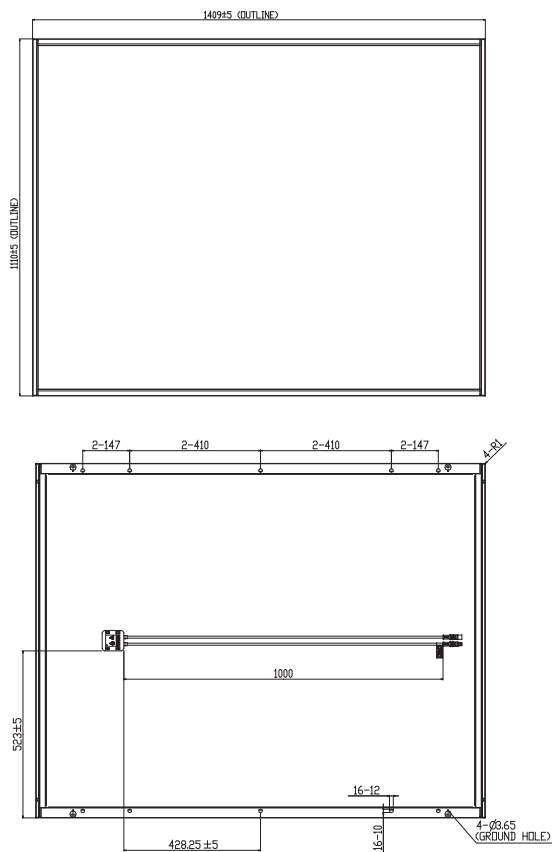
Coefficient of Pm	-0.25%/°C
Coefficient of Voc	-0.30%/°C
Coefficient of Isc	+0.09%/°C

Operating Conditions

Operating temperature	-40 ~ +85 °C
Maximum mechanical load	2400 Pa
Maximum system voltage	600V

The above data represent stabilized module performance under standard test conditions (STC: 1000W/m², spectrum AM 1.5, 25°C temperature). The power output is subject to product tolerance of ± 5%.

Model Outline



All data may be subject to change without prior notice.

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