

# A Series

DuPont Apollo A Series photovoltaic modules are designed and manufactured using the cutting-edge amorphous silicon (a-Si) thin film technology. With unique product features and capabilities, they are able to provide ideal solutions for rooftop solar projects.



## Key Product Advantages:

- **Better Return on Investment (ROI)**

### *Light-Weight Feature*

With its light-weight feature (12.8kg/sqm), A Series thin film modules are an ideal choice for light rooftop applications. This feature minimizes the overall BOS (Balance-of-System) cost through simplifying the supporting structure, and thus lowering the system installation cost.

### *Stable Performance Under Weak Light Conditions*

A Series thin film modules provide an outstanding and stable performance under weak light conditions (e.g. reflective, indirect and diffusive light) and the shadowing environment. This feature enables greater flexibility for adjusting the mounting angle to meet special rooftop requirement in the system design.

- **Suitable for Green Building with Aesthetic Design**

The aesthetic design of A Series thin film modules is a preferable option for green building design and can blend with the original building appearance. Its white backsheet design can reduce the rate of heat absorption of PV modules and thus improve the overall power performance.

- **Quality and Reliability**

DuPont Apollo A Series thin film modules are manufactured in an ISO 9001 and IECQ QC 080000 HSPM certified facility, and the modules have received the internationally recognized IEC 61646, IEC 61730 and UL 1703 certifications.

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*The miracles of science™*



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# DuPont Apollo A Series Thin Film Modules

✓ High Energy Yields

✓ Stable Power Output

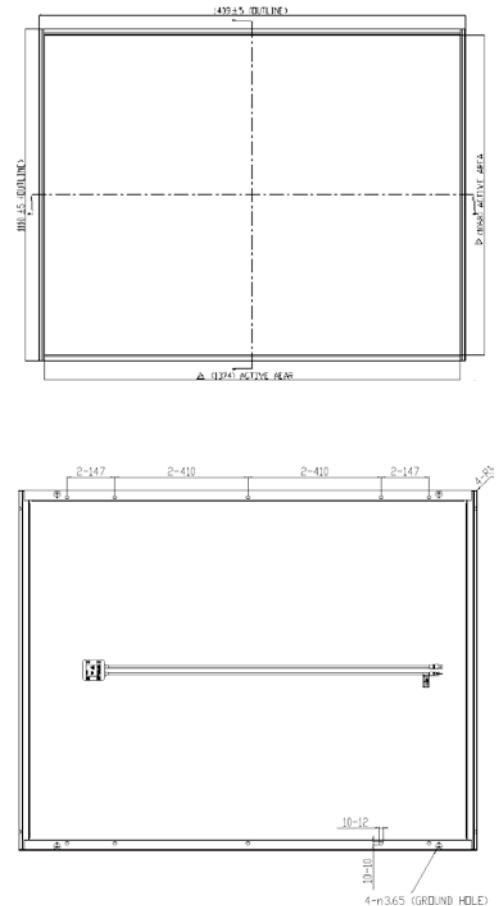
✓ Robust Encapsulation

✓ Easy Mounting

## Product Specification

Model	DA100	DA102	DA105
<b>Technology</b>	Amorphous Silicon (Single Junction)		
<b>Mechanical Characteristics</b>			
Dimensions	L 1,409 x W 1,110 x T 35mm		
Weight	20kg		
<b>Electrical Characteristics</b>			
Nominal power output (Pm)	100W	102W	105W
Voltage at Pm point (Vpm)	75V	75V	75V
Current at Pm point (Ipm)	1.34A	1.36A	1.40A
Open circuit voltage (Voc)	100V	100V	100V
Short circuit current (Isc)	1.66A	1.66A	1.66A
<b>Temperature Coefficients</b>			
Coefficient of Pm	- 0.25% / °C		
Coefficient of Voc	- 0.30% / °C		
Coefficient of Isc	+0.09% / °C		
<b>Operating Conditions</b>			
Operating temperature	- 40 ~ + 85 °C		
Maximum mechanical load	2400/2400 N/m <sup>2</sup>		
Maximum system voltage	1000V		
Connector	MC4 Compatible		
Cable length	890 ~ 1000mm		
<b>Standard Guarantees and Certificates</b>			
Product Warranty	5 years		
Performance Warranty	80% of nominal power for 25 years		
Certificate	IEC 61646 / IEC 61730 / UL 1703 / ULC1703		

## Model Outline

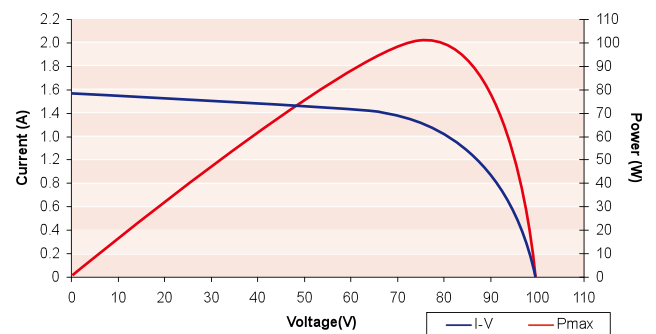


Above data represents stabilized module performance at standard test conditions (STC: 1000W/m<sup>2</sup>, spectrum AM 1.5, 25°C temperature). Tolerance for power and other parameters are subject to +/- 5% and +/- 10% respectively.



All data are subject to change without prior notice.

## Electrical Characteristics for DA100



## Du Pont Apollo Limited

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Authorized Reseller of DuPont Apollo Thin Film PV modules: