



C Series

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

Key Product Advantages:

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

High Efficiency

DuPont Apollo C Series thin film modules can generate high energy power by their improved cell conversion efficiency (>9%).

Light-Weight Feature

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

Stable Performance Under Weak Light Conditions

C 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 C 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 C 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 C Series Thin Film Modules

✓ High Energy Yields

✓ Stable Power Output

✓ Robust Encapsulation

✓ Easy Mounting

✓ Low Cable Power Loss

Product Specification

Model	DA130	DA133	DA136	DA139	DA142
Technology	Amorphous / Microcrystalline Silicon (Tandem Junction)				

Mechanical Characteristics

Dimensions	L 1,409 x W 1,110 x T 35mm				
Weight	20kg				

Electrical Characteristics

Nominal power output (Pm)	130W	133W	136W	139W	142W
Voltage at Pm point (Vpm)	120.75V	122.13V	123.50V	124.86V	126.20V
Current at Pm point (Ipm)	1.08A	1.09A	1.10A	1.11A	1.13A
Open circuit voltage (Voc)	154.96V	156.73V	158.49V <td 160.23V	161.95V	
Short circuit current (Isc)	1.28A	1.29A	1.31A	1.32A	1.34A

Temperature Coefficients

Coefficient of Pm	- 0.34% / °C
Coefficient of Voc	- 0.33% / °C
Coefficient of Isc	+0.08% / °C

Operating Conditions

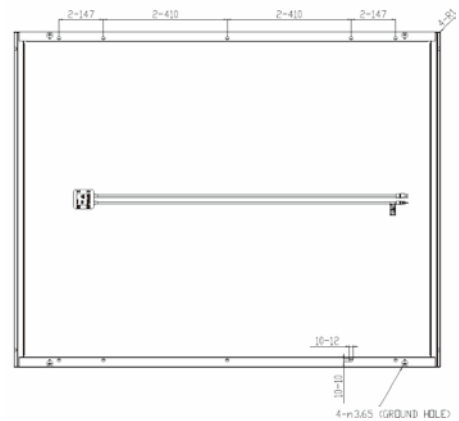
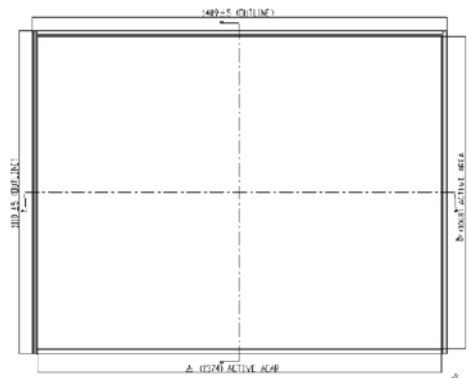
Operating temperature	- 40 ~ + 85 °C
Maximum mechanical load	2400/2400 N/m ²
Maximum system voltage	1000V (IEC) / 600V (UL)
Connector	MC4 Compatible
Cable length	890 ~ 1000mm

Standard Guarantees and Certificates

Product Warranty	5 years
Performance Warranty	80% of nominal power for 25 years
Certificate	IEC 61646 / IEC 61730 / UL 1703 / ULC1703

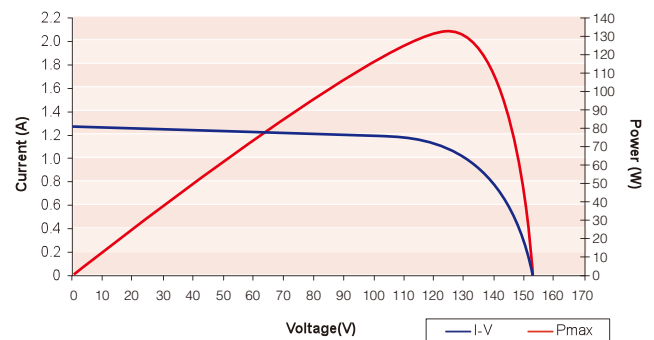
Above data represents stabilized module performance at standard test conditions (STC: 1000W/m², spectrum AM 1.5, 25°C temperature). Tolerance for power and other parameters are subject to +/- 5% and +/- 10% respectively.

Model Outline



All data are subject to change without prior notice.

Electrical Characteristics of DA130



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