B Series

DuPont Apollo B 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 solution for large scale solar farm projects.

Key Product Advantages:

- **High Tolerance in Remote Locations**
  The glass-to-glass feature of DuPont Apollo B Series thin film modules is suitable for PV applications in remote locations which require high mechanical stability, tolerance for temperature and moisture fluctuation. The modules are designed with high quality tempered glass and dual sealing extra encapsulation to enhance their capabilities.

- **Optimized Design for BOS**
  B1 series modules feature Gen 5 (1.4m x 1.1m) in panel size which is in a more balanced condition compared with the other thin film module sizes in the marketplace. For smaller module sizes, more units and more BOS (Balance-of-System) are needed for a system while for full size Gen 8.5 modules they are roughly 8 times the size of standard panels which are more difficult to handle and hence indicating a higher installation cost. The more balanced size feature of B Series enables easier handling and optimum BOS costs to achieve lower installation cost.

- **High Cost Efficiency for Ground-Mounted Application**
  For large solar array applications, B Series thin film modules can reduce the amount of BOS cost considerably by the average number of clips used per panel.

- **Quality and Reliability**
  DuPont Apollo B 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 and IEC 61730 certifications. The modules are expected to obtain UL 1703 soon.

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DuPont Apollo

B Series Thin Film Modules

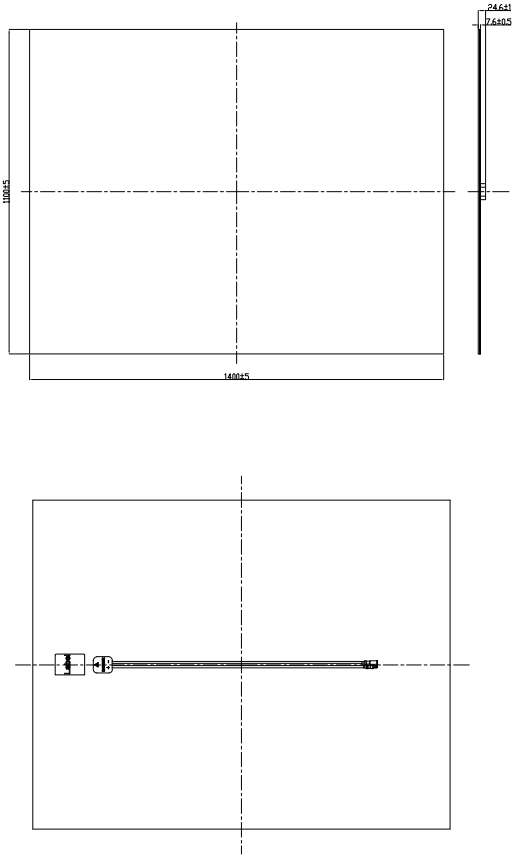
The miracles of science™

☑ High Energy Yields ☑ Stable Power Output ☑ Robust Encapsulation ☑ Easy Mounting

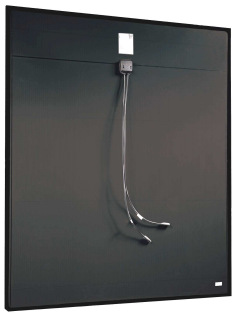
Product Specification

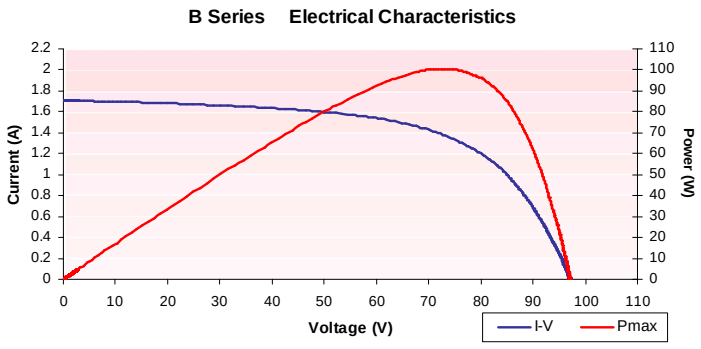
Model	DA090	DA095	DA100	DA102
Technology	Amorphous Silicon (Single Junction)			
Mechanical characteristics				
Dimensions	L 1,400 x W 1,100 x T 7.6 mm (24.6 mm with junction box)			
Weight	30 kg			
Electrical characteristics				
Maximum power output (Pm)	90W	95W	100W	102W
Voltage at Pmax point (Vpm)	70.4 V	72.4 V	74.1 V	74.26 V
Current at Pmax point (Ipm)	1.28 A	1.32 A	1.35 A	1.37 A
Open circuit voltage (Voc)	93.9 V	96.2 V	98.5 V	99.38 V
Short circuit current (Isc)	1.62 A	1.62 A	1.66 A	1.66 A
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 N/m^2			
Maximum system voltage	1000 V (IEC) / 600 V (UL)			
Certificate	IEC 61646 / IEC 61730			
Cable length	890~1000 mm			

Module Outline



Above data represents stabilized module performance at standard test conditions (STC: 1000W/m^2, spectrum AM 1.5, 25°C temperature), The power output is subject to a product tolerance of ± 5%.





All data may be subjected to change without prior notice.