

## D6M\_B1A-Wf 145 W - 155 W Mono-Crystalline Photovoltaic Module



Positive power tolerance  
0~+4.99 watt



Withstand strong wind/snow load up to 5400 Pa  
Pass ASTM E330  
Maximum wind speed: 197 km/h (safety factor 3)



Excellent low light performance  
4% relative eff. reduction at low-irradiance (200W/m<sup>2</sup>)



PID resistant  
Enhanced module reliability



100% EL inline inspection  
Better module reliability



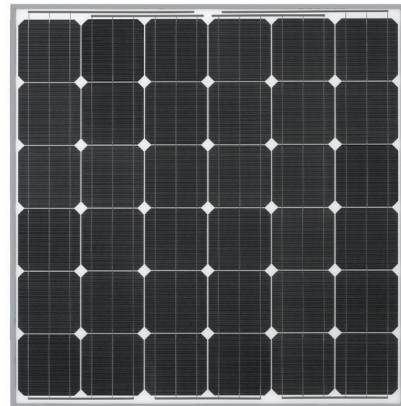
Prolonged aging test  
2000 hours damp heat test; 400 thermal cycles



Certified ammonia resistance  
According to IEC 62716 Ed. 1



Compliance with cadmium content test  
According to IEC 62321



### Reliability & Certification

- Performance warranty
  - 25-year: minimum 80% power output
  - 10-year: minimum 90% power output
- Product guarantee: 5-year
- IEC61215/IEC61730, UL1703, CE, MCS, CEC



### About DelSolar

Established as a subsidiary of Delta Electronics, Inc., the world's number one switching power supplies provider, DelSolar is dedicated to the research, development, and production of high-quality solar cells, modules, and photovoltaic (PV) systems. DelSolar strives to become the world's leading solar supplier through continuous innovation, outstanding production processes, high yield rates, and world-class product efficiency. Under its parent company's leadership, DelSolar is committed to providing clean and effective solar energy for a sustainable world.

More Information, please visit us at: [www.delsolarpv.com](http://www.delsolarpv.com)

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## Electrical Data

Model	D6M145B1A	D6M150B1A	D6M155B1A
Maximum Rating Power (Pmax)	145 W	150 W	155 W
Module Efficiency	14.4 %	14.9 %	15.4 %
Open Circuit Voltage (Voc)	22.80 V	22.95 V	23.11 V
Maximum Power Voltage (Vpm)	18.29 V	18.43 V	18.81 V
Short Circuit Current (Isc)	8.54 A	8.64 A	8.69 A
Maximum Power Current (Ipm)	7.93 A	8.14 A	8.24 A

\*Electrical data under Standard Test Conditions (STC): Cell Temperature of 25 °C, Irradiance 1000 W/m<sup>2</sup>, AM 1.5  
 \*Values w/o tolerance are typical numbers

## Mechanical Data

Item	Specification
Dimension	1015 mm (L) x 990 mm (W) x 42 mm (D) / 40" (L) x 39" (W) x 1.65" (D)
Weight	12 kg / 25 lbs
Solar Cell	36 monocrystalline 6" silicon cells (156 mm x 156 mm)
Front Glass	Ultra clear tempered glass, 3.2 mm
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Cover	Composite film, white
Junction Box	IP65 rated
Frame	Anodized aluminum frame, original or black

## Operating Conditions

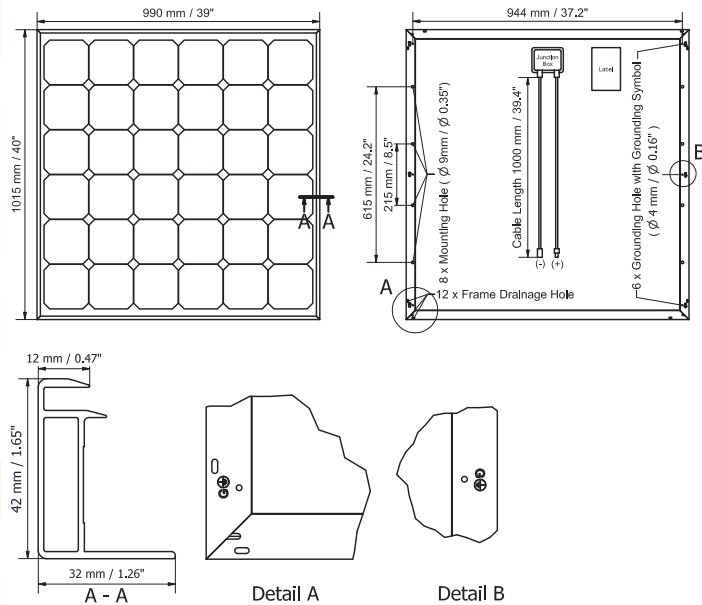
Item	Specification
Mechanical Load	5400 Pa (Certified by TUV Rheinland)
Maximum System Voltage	IEC: DC 1000 V / UL: DC 600 V
Series Fuse Rating	15 A
Operating Temperature	-40 to 85 °C

## Temperature Characteristics

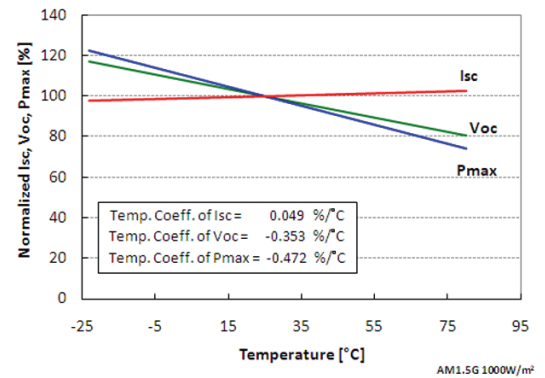
Item	Specification
Nominal Operating Cell Temperature	44.1 °C ± 2 °C
Temperature Coefficient of Isc	0.049 % / °C
Temperature Coefficient of Voc	-0.353 % / °C
Temperature Coefficient of Pmax	-0.472 % / °C

\* Normal Operating Cell Temperature (NOCT): Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20 °C, Wind Speed 1 m/s  
 \* Please refer to DeSolar's Standard Module Installation Manual before using the product  
 \* Reduction in efficiency from 1000 W/m<sup>2</sup> to 200 W/m<sup>2</sup> at 25 °C: 4% ± 2 %

## Front View & Back View



## Dependence on Temperature



## Dependence on Irradiance

