

## D6M\_H1A-WS

### 145 W - 150 W

#### Frameless 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



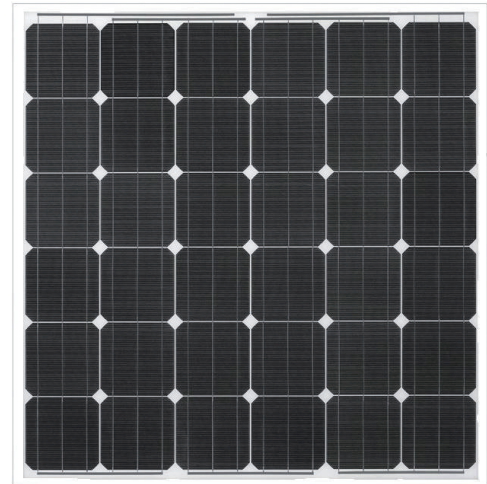
Prolonged aging test  
2000 hours damp heat test; 400 thermal cycles



Certified ammonia resistance  
According to IEC 62716 Ed. 1



Compliance with cadmium content test  
According to IEC 62321



#### Reliability & Certification

· IEC 61215 / IEC 61730, CE



#### 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	D6M145H1A	D6M150H1A
Maximum Rating Power (Pmax)	145 W	150 W
Module Efficiency	14.4 %	14.9 %
Open Circuit Voltage (Voc)	22.16 V	22.34 V
Maximum Power Voltage (Vpm)	18.00 V	18.20 V
Short Circuit Current (Isc)	8.60 A	8.83 A
Maximum Power Current (Ipm)	8.06 A	8.26 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	1030 mm (L) x 1004 mm (W) x 5.2 mm (D) / 40.6" (L) x 39.5" (W) x 0.2" (D)
Weight	12.5 kg / 27.6 lbs
Solar Cell	36 monocrystalline 6" silicon cells (156 mm x 156 mm)
Front Glass	Anti-reflective tempered solar glass, 4.0mm thickness
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Cover	Composite film, white or black
Junction Box	IP 65 rated

## Operating Conditions

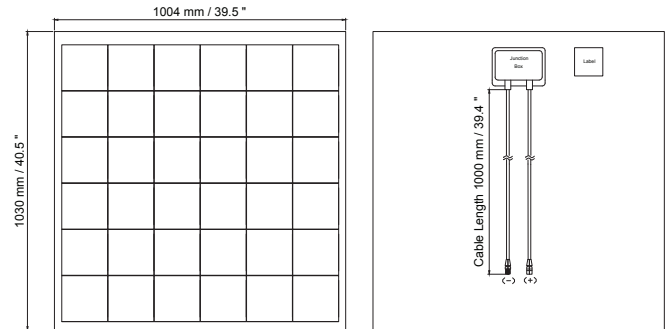
Item	Specification
Mechanical Load	2400 Pa (Certified by TUV Rheinland)
Maximum System Voltage	IEC: DC 1000 V
Series Fuse Rating	15 A
Operating Temperature	-40 to 85 °C

## Temperature Characteristics

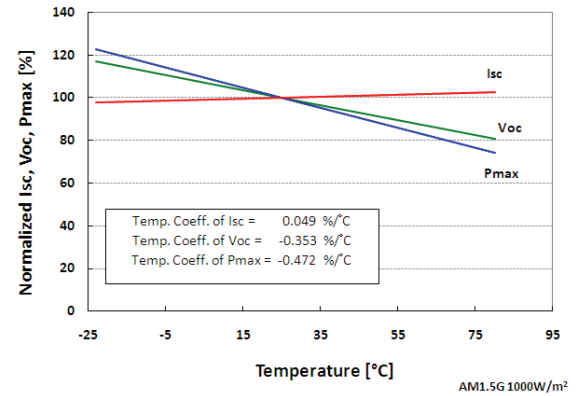
Item	Specification
Nominal Operating Cell Temperature	44.1 °C ± 2 °C
Temperature Coefficient of Isc	0.049 % / °C
Temperature Coefficient of Voc	-0.353 % / °C
Temperature Coefficient of Pmax	-0.472 % / °C

\* Normal Operating Cell Temperature (NOCT): Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20 °C, Wind Speed 1 m/s  
 \* Please refer to DeLSolar'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

