

D6M_B1A-WS

145 W - 150 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/m²)



PID resistant
Enhanced module reliability



100% EL inline inspection
Better module reliability



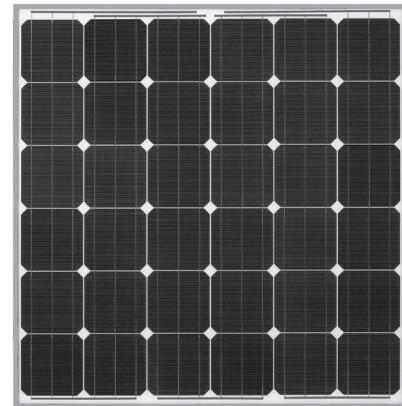
Prolonged aging test
2000 hours damp heat test; 400 thermal cycles



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
- IEC 61215 / IEC 61730, UL 1703, CE, MCS, CEC



About DeSolar

Established as a subsidiary of Delta Electronics, Inc., the world's number one switching power supplies provider, DeSolar is dedicated to the research, development, and production of high-quality solar cells, modules, and photovoltaic (PV) systems. DeSolar 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, DeSolar is committed to providing clean and effective solar energy for a sustainable world.

More Information, please visit us at: www.delsolarpv.com

Contact Us

Global Contact (Headquarters)

Tel: +886-37-539999

Email: sales@delsolarpv.com

US Contact

Tel: +1-888-880-8868

Email: solar.sales@delta-corp.com

Europe Contact

Tel: +31 (0)20 6550953

Email: sales.europe@delsolarpv.com

Electrical Data

Model	D6M145B1A	D6M150B1A
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/m², 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	Anti-reflective tempered solar glass, 3.2mm thickness
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Cover	Composite film, white
Junction Box	IP 65 rated
Frame	Anodized aluminum frame, original or black

Operating Conditions

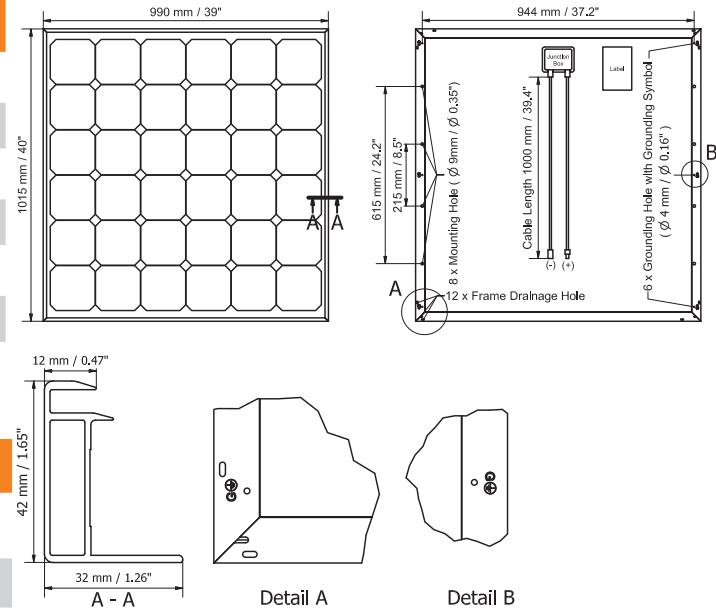
Item	Specification
Mechanical Load	5400 Pa (Certified by TUV Rheinland)
Maximum System Voltage	IEC: DC 1000 V / UL: DC 600 V
Series Fuse Rating	15 A
Operating Temperature	-40 to 85 °C

Temperature Characteristics

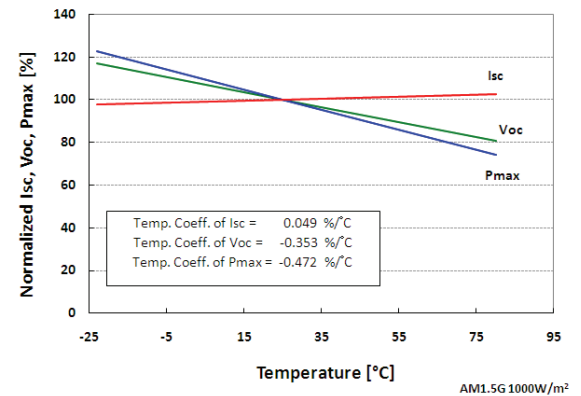
Item	Specification
Nominal Operating Cell Temperature	44.1 °C ± 2°C
Temperature Coefficient of Isc	0.049 % / °C
Temperature Coefficient of Voc	-0.353 % / °C
Temperature Coefficient of Pmax	-0.472 % / °C

* Normal Operating Cell Temperature (NOCT): Irradiance 800W/m², 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/m² to 200 W/m² at 25 °C: 4% ± 2 %

Front View & Back View



Dependence on Temperature



Dependence on Irradiance

