

# D6M\_B5A-W 215W - 225W

**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
- · IEC 61215 / IEC 61730, UL 1703, 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







#### **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

# **DelS**olar

### **Electrical Data**

Model	D6M215B5A	D6M220B5A	D6M225B5A
Maximum Rating Power (Pmax)	215 W	220 W	225 W
Module Efficiency	14.6 %	14.9 %	15.3 %
Open Circuit Voltage (Voc)	34.63 V	34.94 V	35.31 V
Maximum Power Voltage (Vpm)	27.01 V	27.26 V	27.54 V
Short Circuit Current (Isc)	8.47 A	8.52 A	8.58 A
Maximum Power Current (Ipm)	7.96 A	8.07 A	8.17 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	1490 mm (L) x 990 mm (W) x 42 mm (D) / 59" (L) x 39" (W) x 1.65" (D)	
Weight	17 kg / 37 lbs	
Solar Cell	54 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	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/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%  $\pm$  2 %

#### Front View & Back View



# **Dependence on Temperature**



#### **Dependence on Irradiance**

