

## D6P\_A3A-WT

### 220 W - 240 W

Multi-crystalline Photovoltaic Module



Positive Power Tolerance



Maximum Surface Load up to 5400 Pa  
Withstand High Wind and Snow



Excellent Performance under Low Light  
Environments



High Module Conversion Efficiency



Homogeneous Module Color with  
DeSolar-made 2 Busbar Cells



#### 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 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](http://www.delsolarpv.com)

#### Contact Us

##### Global Contact (Headquarters)

Tel: +886-3-578-1999

Email: [sales@delsolarpv.com](mailto:sales@delsolarpv.com)

##### US Contact

Tel: +1-510-668-5548

Email: [solar.sales@delta-corp.com](mailto:solar.sales@delta-corp.com)

##### Europe Contact

Tel: +31 (0)20 6550953

Email: [info@delsolarpv.com](mailto:info@delsolarpv.com)

## Electrical data

MODEL	D6P220A3A	D6P225A3A	D6P230A3A	D6P235A3A	D6P240A3A
Maximum Rating Power (Pmax)	220 W	225 W	230 W	235 W	240 W
Module Efficiency	13.5 %	13.8 %	14.1 %	14.4 %	14.7 %
Open Circuit Voltage (Voc)	36.69 V	36.96 V	37.23 V	37.46 V	37.73 V
Maximum Power Voltage (Vpm)	28.65 V	28.92 V	29.19 V	29.46 V	29.71 V
Short Circuit Current (Isc)	8.32 A	8.39 A	8.46 A	8.53 A	8.60 A
Maximum Power Current (Ipm)	7.68 A	7.78 A	7.88 A	7.98 A	8.08 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	Spec
Dimension	1650 mm (L) x 990 mm (W) x 50 mm (D) / 65" (L) x 39" (W) x 2" (D)
Weight	19.5 kg / 43.0 lbs
Solar Cells	60 multicrystalline 6" silicon cells (156 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	Spec
Mechanical Load	5400 Pa (Certified by TUV Rheinland)
Maximum System Voltage	1000 V
Series Fuse Rating	15 A
Operating Temperature	-40 to 85 °C

## Temperature Characteristics

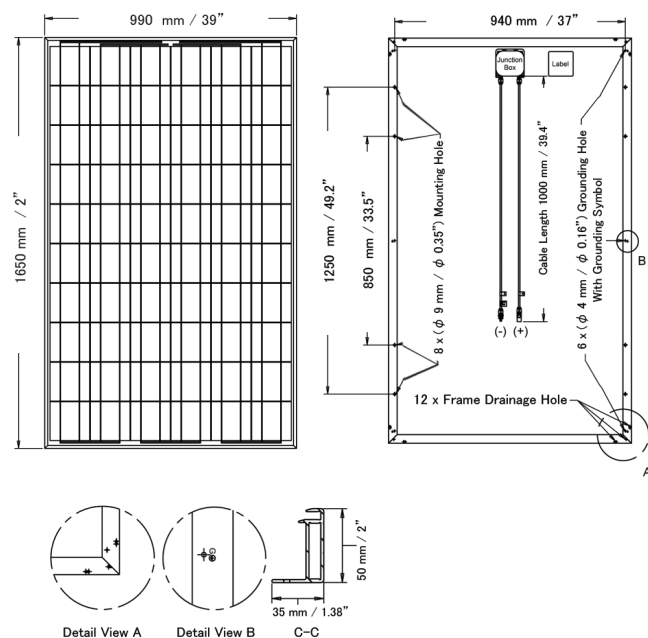
Item	Spec
Nominal Operating Cell Temperature	44.1 °C
Temperature Coefficient of Pmax	-0.472 % / °C
Temperature Coefficient of Voc	-0.353 % / °C
Temperature Coefficient of Isc	0.049 % / °C

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

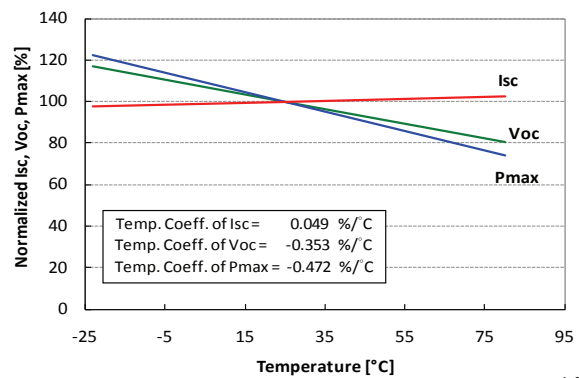
\* Please refer to DeISolar's Standard Module Installation Manual before using the product

\* Reduction in efficiency from 1000 W/m<sup>2</sup> to 200 W/m<sup>2</sup> at 25 °C: 4%

## Front View & Back View



## Dependence on temperature



## Dependence on irradiance

