

D6S_B4A-WSf

300 W - 310 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)



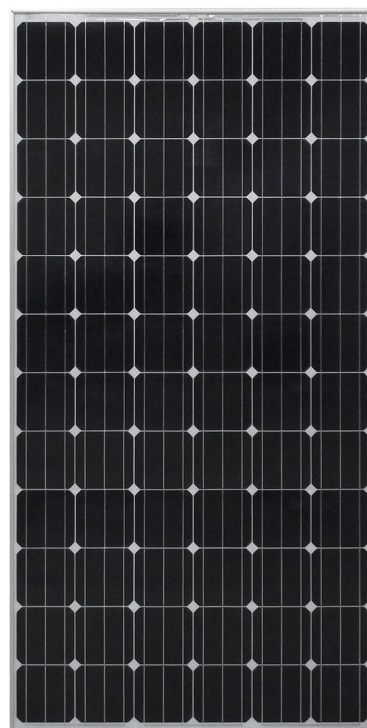
PID resistant
Enhanced module reliability



100% EL inline inspection
Better module reliability



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

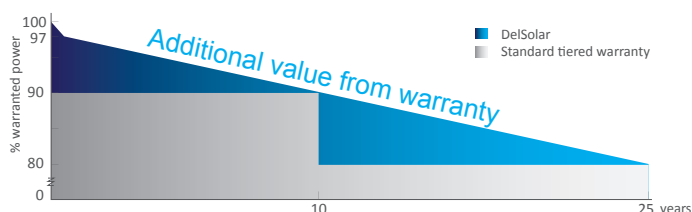


UL 1703

■ Reliability & Certification

- Product guarantee: 10-year
- Performance warranty
 - First-year: minimum 97% power output
 - 2 to 25-year: 0.7% annual power output decline

* Please refer to DeSolar product warranty for details



For more information, please visit us at www.delsolarpv.com

Electrical Data

MODEL	D6S300B4A	D6S305B4A	D6S310B4A
Maximum Rating Power (Pmax)	300 W	305 W	310 W
Module Efficiency	15.4 %	15.6 %	15.9 %
Open Circuit Voltage (Voc)	44.77 V	44.88 V	44.99 V
Maximum Power Voltage (Vpm)	36.47 V	36.71 V	36.94 V
Short Circuit Current (Isc)	8.78 A	8.91 A	9.05 A
Maximum Power Current (Ipm)	8.23 A	8.31 A	8.39 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	1970 mm (L) x 990 mm (W) x 42 mm (D) / 78" (L) x 39" (W) x 1.65" (D)
Weight	25.5 kg / 56.2 lbs
Solar Cell	72 monocrystalline 6" silicon cells (156 mm x 156 mm)
Front Glass	Anti-reflective tempered solar glass, 4 mm 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 (According to IEC 61215)
Maximum System Voltage	UL: DC 1000 V
Series Fuse Rating	15 A
Operating Temperature	-40 to 85 °C

Temperature Characteristics

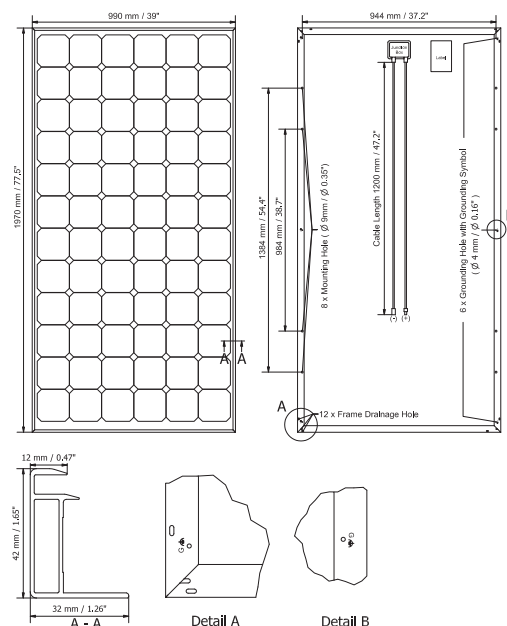
Item	Specification
Nominal Operating Cell Temperature	44.1 °C ± 2 °C
Temperature Coefficient of Isc	0.042 % / °C
Temperature Coefficient of Voc	-0.318 % / °C
Temperature Coefficient of Pmax	-0.427 % / °C

* Normal Operating Cell Temperature (NOCT): Irradiance 800W/m², Ambient Temperature 20 °C, Wind Speed 1 m/s

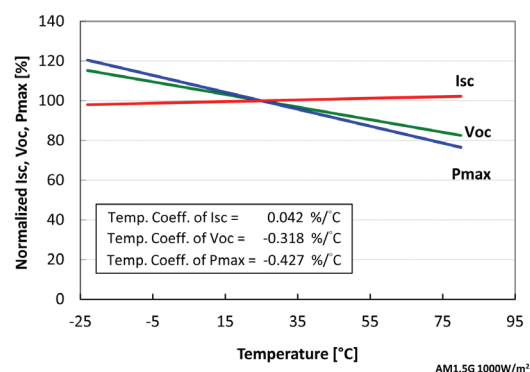
* Please refer to DeISolar's Standard Module Installation Manual before using the product

* Reduction in efficiency from 1000 W/m² to 200 W/m² at 25 °C: 4% ± 2 %

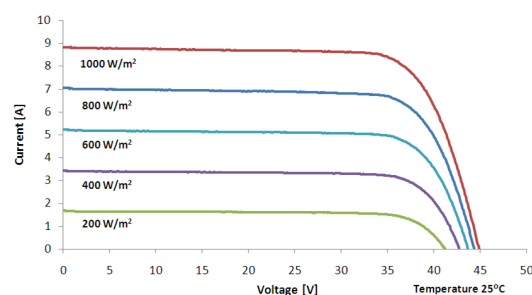
Front View & Back View



Dependence on Temperature



Dependence on Irradiance



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