

**SPECIFICHE MODULO POLICRISTALLINO 210-240W****D6P\_A3A Series  
210W - 240W****About DelSolar**

Founded in 1971, the Delta Group is a global leader in power management and renewable energy solutions. DelSolar, as a subsidiary of Delta Group/Electronics, has become a leading solar cell and module provider with proven process innovation, state-of-art manufacturing technology, world-class cell efficiency, and record productivity yields since its inception in 2004.

**High Performance**

- Power tolerance of 0 to +3% provides a stable, high-energy system output
- Better performance under low light condition
- More power per unit area for cost effective installation

**Engineering Excellence**

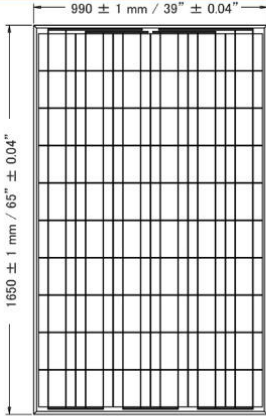
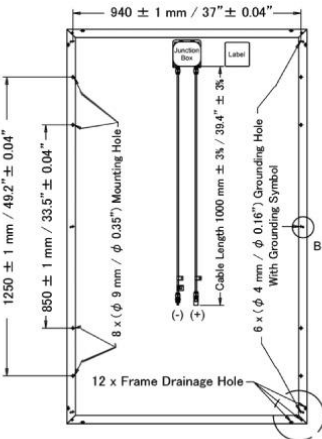
- Increased cell to frame clearance reduces the effects of soiling
- High wind/snow load tolerance (pass mechanical load test of 5400 pa)

**Reliability & Certifications**

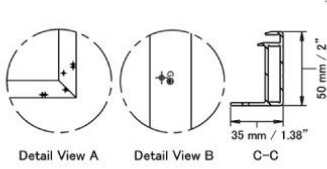
- 25-year limited warranty on power output
- 5-year product warranty
- IEC 61215, IEC 61730

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MODULE FRONT VIEW	MODEL	D6P210A3A	D6P215A3A	D6P220A3A	D6P225A3A	D6P230A3A	D6P235A3A	D6P240A3A	
	Maximum Rating Power ( $P_{max}$ )	210 W	215 W	220 W	225 W	230 W	235 W	240 W	
	Open Circuit Voltage ( $V_{oc}$ )	36.15 V	36.42 V	36.69 V	36.96 V	37.23 V	37.46 V	37.73 V	
	Maximum Power Voltage ( $V_{pm}$ )	28.08 V	28.37 V	28.65 V	28.92 V	29.19 V	29.46 V	29.71 V	
	Short Circuit Current ( $I_{sc}$ )	8.18 A	8.25 A	8.32 A	8.39 A	8.46 A	8.53 A	8.60 A	
	Maximum Power Current ( $I_{pm}$ )	7.48 A	7.58 A	7.68 A	7.78 A	7.88 A	7.98 A	8.08 A	
	Module Efficiency	12.9 %	13.2 %	13.5 %	13.8 %	14.1 %	14.4 %	14.7 %	
	Dimension	1650±1 mm (L) x 990±1 mm (W) x 50±1 mm (D) / 65" ± 0.04" (L) x 39" ± 0.04" (W) x 2" ± 0.04" (D)							
	Weight	20.5 kg / 45.2 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)								
MODULE BACK VIEW	Back Cover	Composite film							
	Frame	Original / Black anodized aluminum profile							
	Junction Box	Tyco junction box with 3 bypass diodes							
	Output Cables	4 mm <sup>2</sup> cable with Tyco connectors, (-) 1394462-4 / (+) 6-1394461-2							
	Mechanical Load	5400 Pa (Certified by TUV Rheinland)							
	Maximum System Voltage	1000 V							
	Series Fuse Rating	12 A							
	Operating Temperature	-40 to 85 °C							
	Nominal Operating Cell Temperature	44.1 °C							
	Temperature Coefficient of $P_{max}$	-0.498 % / °C							
	Temperature Coefficient of $V_{oc}$	-0.352 % / °C							
Temperature Coefficient of $I_{sc}$	0.032 % / °C								

\* Electrical data under Standard Test Conditions (STC): 25 °C, 1000 W / m<sup>2</sup>, AM 1.5  
 \* Values w/o tolerance are typical numbers  
 \* Reduction in efficiency from 1000 W/m<sup>2</sup> to 200 W/m<sup>2</sup> at 25 °C: 4%



DEPENDENCE ON TEMPERATURE      DEPENDENCE ON IRRADIANCE

