



**MILLENNIUM ELECTRIC**



### **Characteristics of the Photovoltaic (PV) Modules**

Millennium's photovoltaic modules offer industry-leading performance, durability, and reliability for a variety of electrical power requirements. Using breakthrough technology, these modules use a textured cell surface to reduce reflection of sunlight, and structure to improve conversion efficiency. An anti-reflective coating provides uniform blue color and increases the absorption of light in all weather conditions.

Common applications include:

- Grid connected houses
- Solar houses
- Solar power stations

Designed to withstand rigorous weather conditions, a junction box is also provided for easy electrical connections in the field, making Millennium's modules the perfect combination of advanced technology and reliability.



**Millennium Electric Panels in a PV Power stations in Italy and Germany**

**< MILLENNIUM ELECTRIC T.O.U. Ltd >**

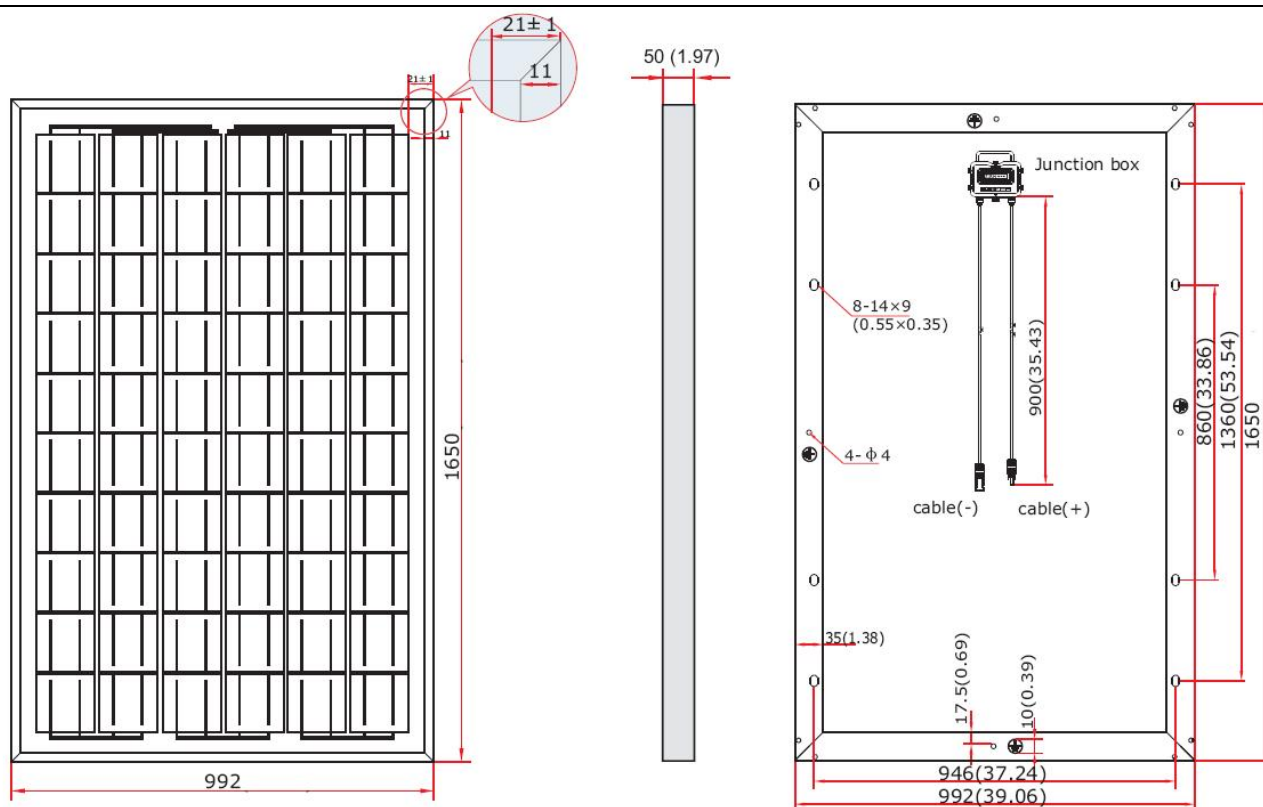
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**MILLENNIUM ELECTRIC****SPECIFICATIONS****6" (156 x 156 mm) Mono-crystalline silicon Standard PV Module**

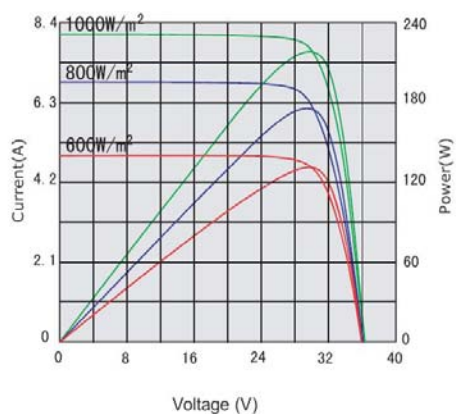
Pmax +-5%	200W	205W	210W	215W	220W	225W	230W	235W	240W
Voc (V)	34.2	34.2	34.8	34.8	35.4	35.4	36	36	36
Isc (A)	7.86	8.05	8.11	8.30	8.36	8.55	8.59	8.77	8.96
Vmp (V)	28.5	28.5	29	29	29.5	29.5	30	30	30
Imp (A)	7.02	7.19	7.24	7.41	7.46	7.63	7.67	7.83	8
Module Eff. (%)	12.22	12.52	12.83	13.14	13.44	13.75	14.05	14.36	14.66
Max Series Fuse	15A								
Weight	19.6 kgs / 43.21 lbs								
L x W x H ( mm )	1650 x 992 x 50 mm								
Number of Cells	60 in a 6 x 10								
>> Temperature Co eff. of Voc: -0.34 % / ° C >>Temperature Co eff. of Isc: +0.09 % / ° C >>Temperature Co eff. of Pmax: -0.37 % / ° C; Number Of Diodes-3; Cable 900mm									

Current, Power Vs. Voltage Characteristics

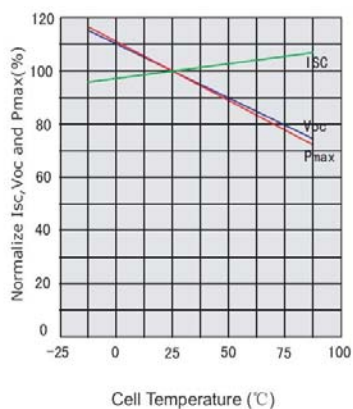
Outline Dimensions



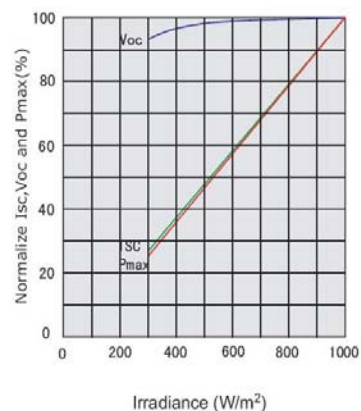
Electrical performance  
(cell temperature: 25°C)



Temperature dependence of  $I_{sc}$ ,  
 $V_{oc}$  and  $P_{max}$



Irradiance dependence of  $I_{sc}$ ,  
 $V_{oc}$  and  $P_{max}$  (cell temperature: 25°C)



STC: irradiance level 1000W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature 25°C  
Specifications and design are subject to change without further notice.