

Photovoltaic modules

TE 2000

Photovoltaic module 200 Watts Peak 18 Volts, Multicristaline, Glass/Tedlar 156 x 156 mm cells size

The TE 2000 series modules use multicristaline technology. Our high efficiency solar cells are individually characterized and electronically matched in prior to interconnection. Encapsulation beneath high transmission tempered glass is accomplished using an advanced, UV resistant thermal setting plastic. The encapsulant, ethylene vinyl acetate, cushions the solar cells within the laminate and ensures the operating characteristics of the solar cells under any climatic conditions.

The rear surface of the module is completely sealed from moisture and mechanical damage by a continuous high strength polymer sheet. The glass/Tedlar construction of the module minimizes weight while providing a durable, protective environment for the solar cells. In addition, the aluminium frame for this module is designed for easy and rapid installation.



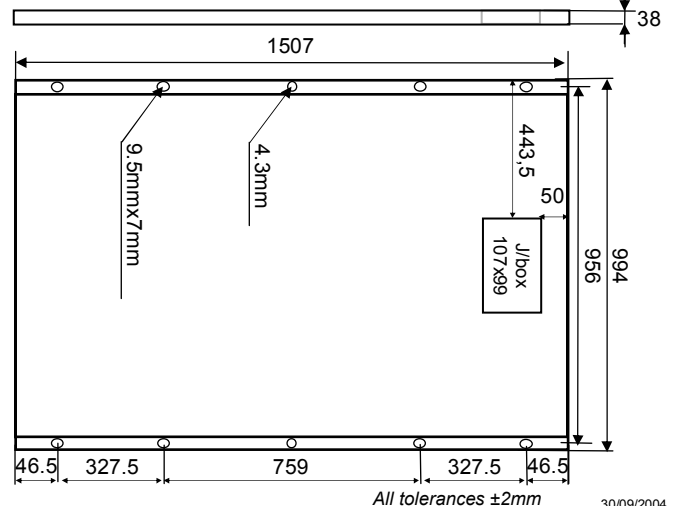
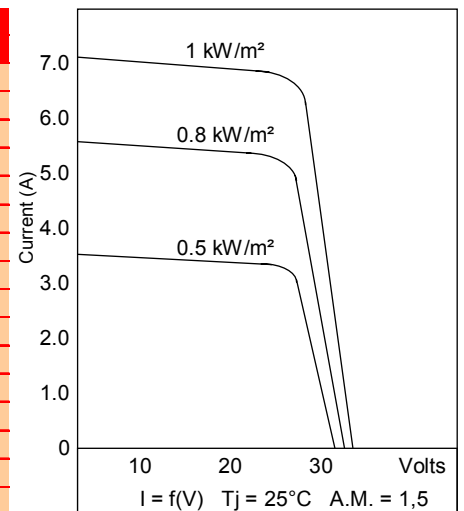
Module Code TE : 9970	TE 2000 Poly					
	2000A5	2000A4	2000A3	2000A2	2000A1	
Encapsulation	Glass / Tedlar					
Size of cells	mm 156 x 156					
Number of cells	pcs 54 / 6 x 9					
Typical power ¹⁾	Wp	170	180	190	200	210
Nominal voltage battery	V	18				
Voltage at typical power	V	26,40	26,60	26,80	27,10	27,30
Current at typical power	A	6,50	6,80	7,10	7,40	7,70
Open circuit voltage	V	32,60	32,80	33,10	33,40	33,60
Short circuit current	A	7,40	7,60	7,70	7,90	8,00
Connection	Grid box 2 Tyco connectors					
Maximum Syst. Oper. Voltage	V	730				
Diodes	3 by-pass					
Weight (net)	kg	18				
Using + Storage Temp.	°C	- 40 / + 85				
Relative humidity		0 up to 100%				
Warranty	Year	25*				

(*) 10 Years for maritime and tropical applications
(above specifications @ STC: Insol. 1.000W/m², AM 1.5, Cell T 25°C)
¹⁾ Wp (Watt peak) = Peak power
(Tolerance = ± 3%)

Standards : Module certified to IEC 61215 and TUV Classe II.

APPLICATIONS :

- Grid connected large scale systems



This information is not legally binding and is subject to modification at any time by TOTAL ENERGIE

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