



TE1300 – Solar panel



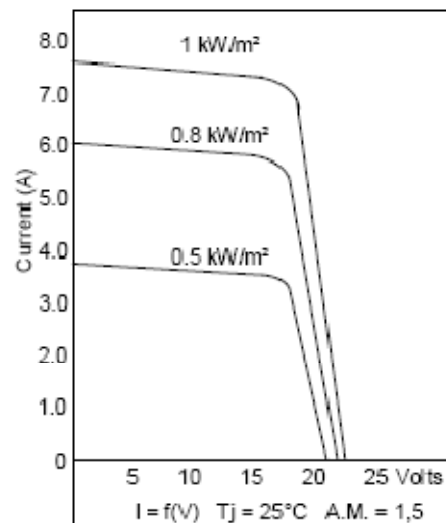
Photovoltaic module 130 Watts Peak 12 Volts, Multicristaline, Glass/Tedlar

156 x 156 mm cells size

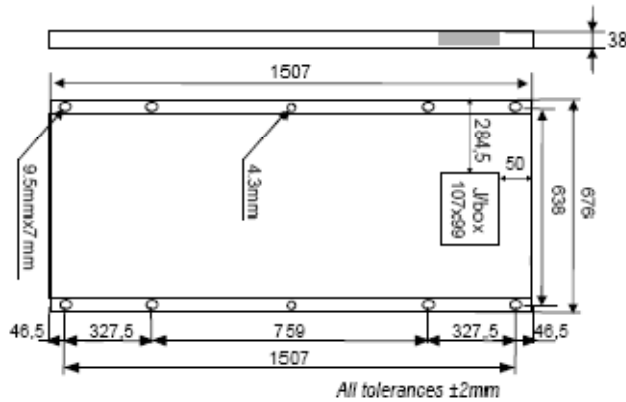
The TE 1300 series modules use multicristaline technology. Our high efficiency solar cells are individually characterized and electronically matched in prior to interconnection. Encapsulation beneath high transmission tempered glass is accomplished using an advanced, UV resistant thermal setting plastic. The encapsulant, ethylene vinyl acetate, cushions the solar cells within the laminate and ensures the operating characteristics of the solar cells under virtually 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.

Applications

- Telecommunication
- Cathodic protection
- Water pumping
- Signalling
- Rural electrification
- Private residences
- Grid connected large scale systems



TE1300 Data sheet



		TE1300				
Module Code TE: 9930		1300A5	1300A4	1300A3	1300A2	1300A1
Encapsulation		Glass / Tedlar				
Size of cells	mm	150 x 150				
Number of cells	pcs	36/4 x 9				
Typical power 1)	Wp	120	125	130	135	140
Nominal voltage battery	V	12				
Voltage at typical power	V	17,80	17,90	18,00	18,10	18,20
Current at typical power	A	6,80	7,00	7,30	7,50	7,70
Open circuit voltage	V	21,80	22,00	22,20	22,30	22,40
Short circuit current	A	7,50	7,60	7,80	7,90	8,00
Connection		2 Tyco connectors				
Maximum Syst. Oper. Voltage	V	730				
Diodes		2 by-pass				
Weight (net)	kg	12				
Using + Storage Temp.	°C	- 40 / + 8 5				
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) = Peakpower

(Tolerance= ± 3%)

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