

Photovoltaic modules

TE 1250

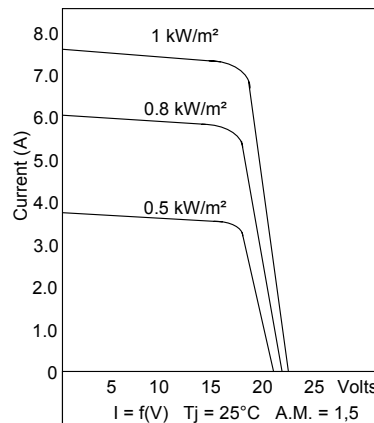
Photovoltaic module 125 Watts Peak 12 Volts, Multicristaline, Glass/Tedlar 150 x 150 mm cells size



The TE 1250 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.

Module Code	TE 1250				
	TE : 9920	1250A4	1250A3	1250A2	1250A1
Encapsulation	Glass / Tedlar				
Size of cells	mm	150 x 150			
Number of cells	pcs	36 / 4 x 9			
Typical power ¹⁾	Wp	115	120	125	130
Nominal voltage battery	V	12			
Voltage at typical power	V	17,50	17,60	17,80	18,00
Current at typical power	A	6,50	6,80	7,00	7,20
Open circuit voltage	V	21,90	22,00	22,10	22,20
Short circuit current	A	7,10	7,30	7,50	7,70
Connection	Junction box or 2 Tyco connectors				
Maximum Syst. Oper. Voltage	V	600			
Diodes	2 by-pass				
Weight (net)	kg	11,4			
Using + Storage Temp.	°C	- 40 / + 85			
Relative humidity	0 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 :

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

