

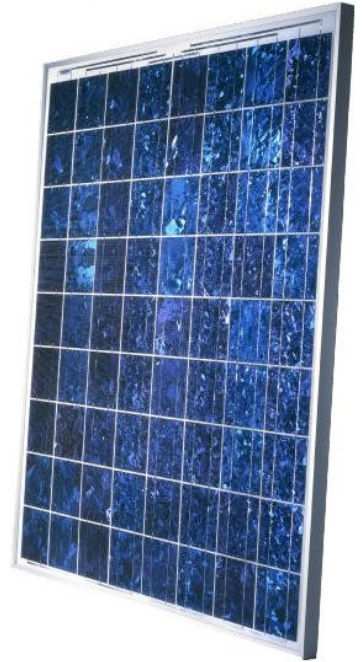
# Photovoltaic modules

## TE 1700

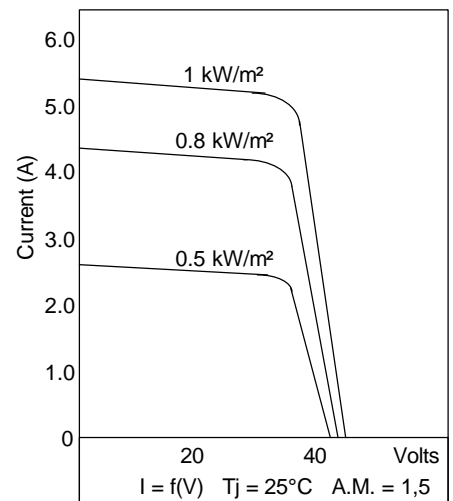
### Photovoltaic module 170 Watts Peak 24 Volts, Multicristaline, Glass/Tedlar 125 x 125 mm cells size

The TE 1700 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 : 9950	1700A3	1700A2	1700A1	
Encapsulation	Glass / Tedlar			
Size of cells	mm	125 x 125		
Number of cells	pcs	72 / 8 x 9		
Typical power <sup>1)</sup>	Wp	160	170	180
Nominal voltage battery	V	24		
Voltage at typical power	V	34,70	35,50	36,20
Current at typical power	A	4,60	4,80	5,00
Open circuit voltage	V	43,20	43,80	44,40
Short circuit current	A	5,00	5,20	5,40
Connection	Grid box 2 Tyco connectors			
Maximum Syst. Oper. Voltage	V	600		
Diodes	4 by-pass			
Weight (net)	kg	16		
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/m<sup>2</sup>, AM 1.5, Cell T 25°C)

<sup>1)</sup> 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

