

# Photovoltaic modules

## TE 200

### Photovoltaic module 20 Watts Peak 12 Volts, Multicristaline, Glass/Tedlar 101.25 x 50.6 mm cells size

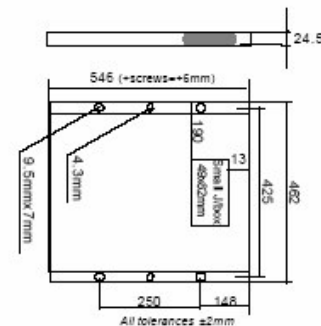
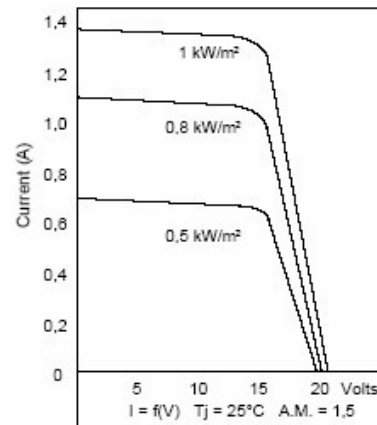
The TE 200 series modules use multicristaline technology. Our high efficiency solar cells are individually characterized and electronically matched in prior to interconnection. Encapsulation beneath high transmission tempered glass is accomplished using an advanced, UV resistant thermal setting plastic. 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 - 9200	TE 200 200A1
Encapsulation	Glass / Tedlar
Size of cells	mm 101,25 x 50,6
Number of cells	pcs 36 / 4 x 9
Typical power <sup>1)</sup>	Wp 20
Nominal voltage battery	V 12
Voltage at typical power	V 16,80
Current at typical power	A 1,30
Open circuit voltage	V 21,80
Short circuit current	A 1,40
Connection	2x2,5mm <sup>2</sup> cable
Maximum Syst. Oper. Voltage	V 600
Diodes	No
Weight (net)	kg 3,15
Using + Storage Temp.	°C - 40 / + 85
Relative humidity	0 to 100%
Warranty	Year 10(*)

(\*) 5 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) = Peakpower

**Standards** - Module certified to IEC 61215



#### APPLICATIONS :

- Telecommunication
- Signalling
- Rural electrification