



## TE500CR+ – Solar panel



### Photovoltaic module

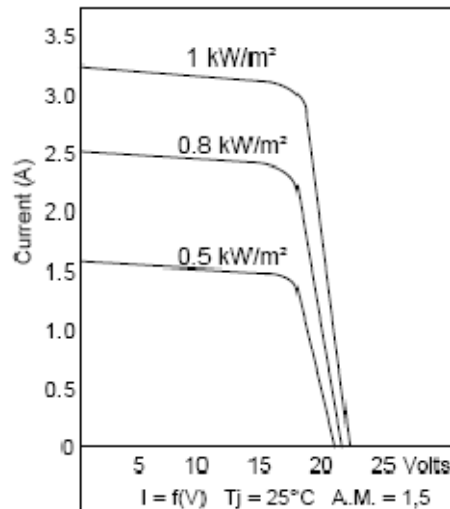
**55- 60 Watts Peak 12 Volts,  
Multicristaline , Glass/ Tedlar**

156 x 78 mm cellsize

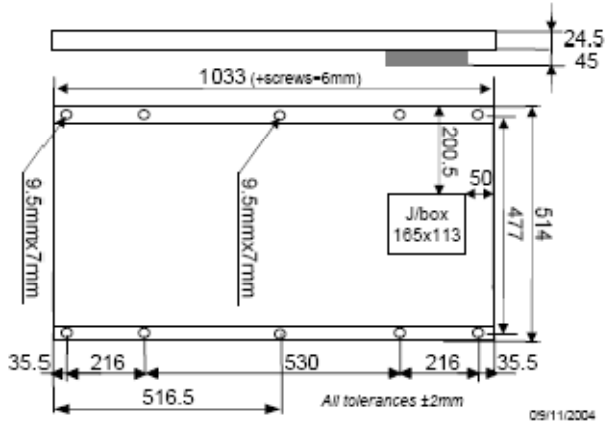
The TE 500 CR+ series modules use multicristaline technology. Our high efficiency solar cells are individually characterized and electronically matched in prior to interconnection. Encapsulation beneath high transmission tempered glass is accomplished using an advanced, UV resistant thermal setting plastic. 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



# TE500CR+ Data sheet



		TE 500 CR+			
Module Code TE: 9560		650A3	650A2	650A1	650A0
Encapsulation		Glass / Tedlar			
Size of cells	mm	156 x 78			
Number of cells	pcs	36 / 3 x 12			
Typical power 1)	Wp	50	55	60	65
Nominal voltage battery	V	12			
Voltage at typical power	V	17,00	17,50	17,80	18,00
Current at typical power	A	2,90	3,10	3,30	3,60
Open circuit voltage	V	21,40	21,70	22,00	22,30
Short circuit current	A	3,10	3,50	3,70	3,90
Connection		Junction box			
Maximum Syst. Oper. Voltage	V	600			
Diodes		2 by-pass (in option)			
Weight (net)	kg	7,00			
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/m<sup>2</sup>, AM 1.5, Cell T 25°C)

1) Wp (Watt peak) = Peak power  
 (Tolerance = ± 10%)

**Standards** : Module certified to IEC 61215