



NEW MONOCRYSTALLINE MODULES



The PWM1700 is Photowatt's 5 inch high efficiency module. Thanks to its optimum size it is easy to handle and specifically dedicated to large scale grid connected applications.

The PWM1700 module uses Photowatt's monocrystalline technology. The solar cells are individually characterized and electronically matched prior to interconnection. Encapsulation is realised between the high transmission tempered glass and the resistant thermal setting Tedlar®. The encapsulant, ethylene vinyl acetate, cushions the solar cells within the laminate and protect the cells from etching. The rear surface of the module is completely sealed from moisture and mechanical damage by a continuous high strength polymer sheet.

With a tolerance improvement to +/- 3%, the PWM1700 modules ensure more power homogeneity in installations, and a financial investment corresponding to the real power produced.

APPLICATIONS

- Grid connected system
- Water pumping
- Telecommunications
- Battery charging system
- Cathodic protection system
- Building integrated power system

- High efficiency modules
- 8x9 5' inch monocrystalline cells (125,50 x 125,50 mm)
- Reinforced anodised aluminium frame
- 12V and UL versions available on request
- **Product warranty : 5 years***
- **Efficiency warranty : 25 years***
- **Power tolerance : +/- 3%**
- **Quality insurance : ESTI (61215), TÜV (Safety Class II), PVGap, ISO 9001...**



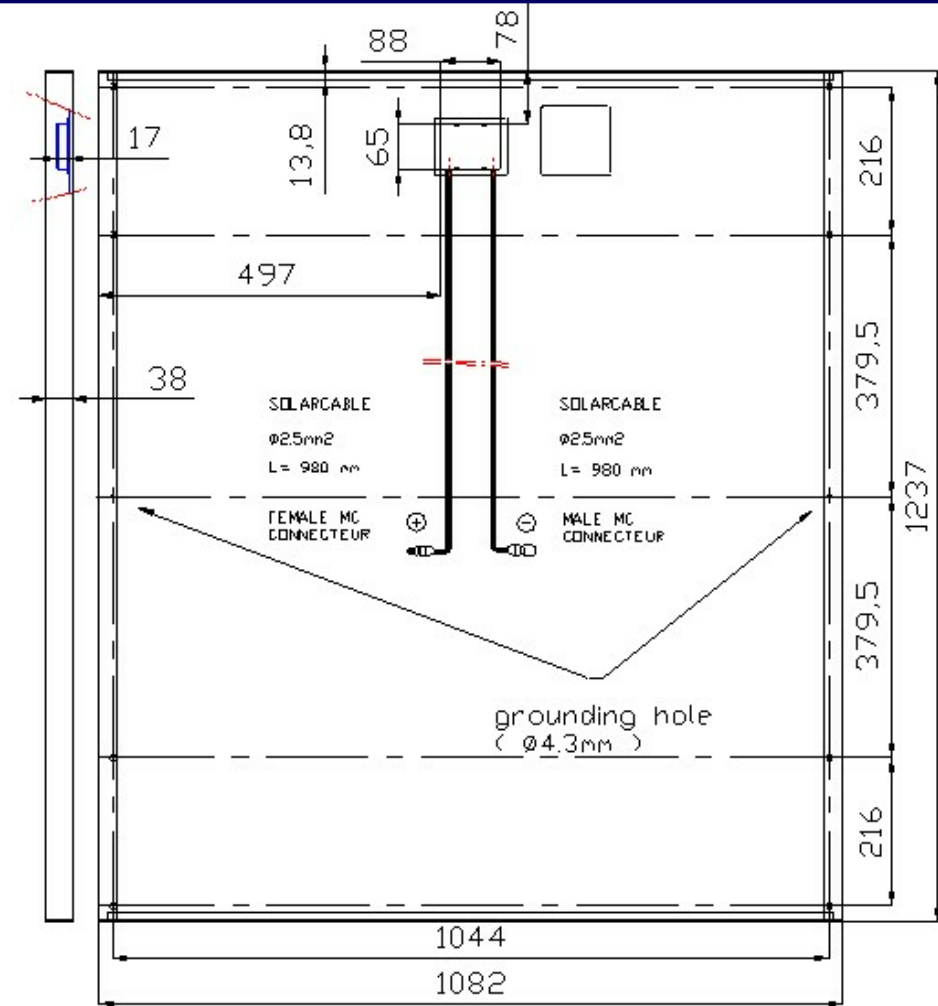
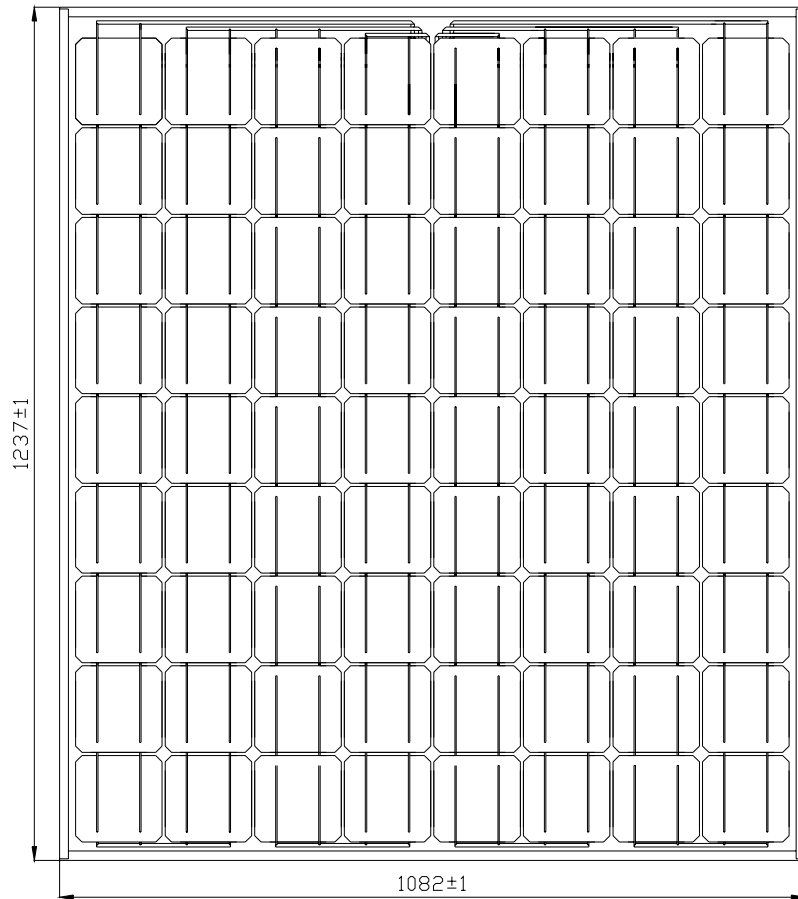
PACKING INFORMATION

Module weight	Kg	18
Module size	mm	1237 x 1082 x 38
Packing configuration	modules	2 per cartons
Packing size	mm	1350 x 1130 x 102
Modules packed weight	Kg	39
Maximum pallet size (34 modules)	mm	1360 x 1130 x 1770
Maximum pallet weight	Kg	678

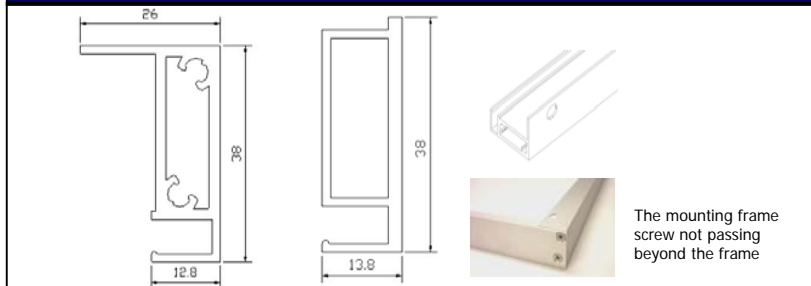
CARACTERISTIQUES ELECTRIQUES

PWM1700		cells 125 X 125 Ø 165		
Puissance typique	W	170	180	190
Puissance minimale	W	165	175	185
Tension à la puissance typique	V	35,2	35,4	35,6
Intensité à la puissance typique	A	4,85	5,1	5,35
Intensité de court circuit	A	5,3	5,5	5,8
Tension en circuit ouvert	V	44,4	44,6	44,8
Tension maximum du circuit	V	770 DC		
Coefficient de température		$\alpha = +1,46 \text{ mA}/^\circ\text{C}$; $\beta = -158 \text{ mV}/^\circ\text{C}$; $\gamma \text{ P/P} = -0,43 \text{ \% } /^\circ\text{C}$		
Specifications de puissance à 1000 W/m² : 25 °C : AM 1,5				

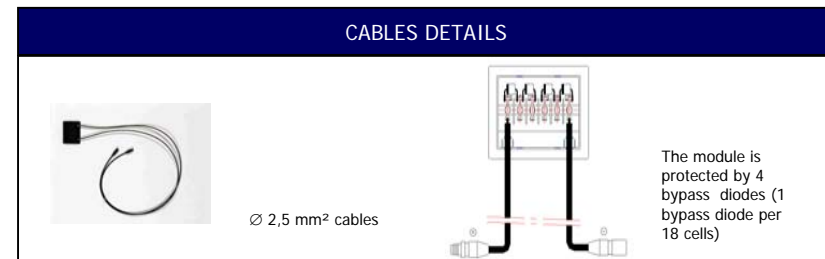
* According to general warranty conditions



FRAME DETAILS

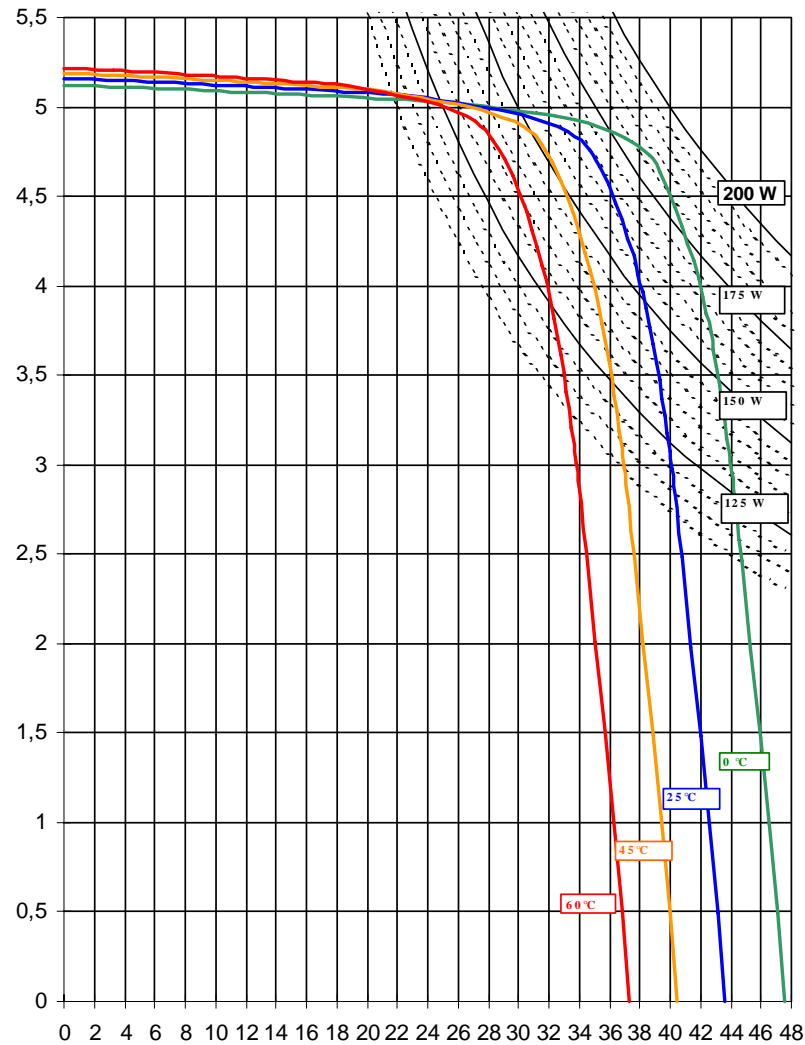


CABLES DETAILS



$I=F(V)$ à $E=1 \text{ kW/m}^2$, $AM=1,5$ as a function of the junction temperature

Amperes



$I=F(V)$ à $T = 25^\circ\text{C}$ as a function of this irradiance E (kW / m^2), $AM 1,5$.

Amperes

