PHOTOWATT PW6-230 Wp - 12/24V
PHOTOVOLTAIC MODULE – Cables

NEW COMPACT MODULES GENERATION

APPLICATIONS

- Grid connected large scale system
- Power plants
- Buildings integration
- Water pumping
- Telecommunications
- Rural electrification

- High efficiency modules
- 6x12 6' inch cells (150 x 150 mm)
- Reinforced anodised aluminium frame
- 12V version available on request
- Product warranty : 5 years*
- Efficiency warranty : 25 years*
- Power tolerance : +5% - 3%
- Quality assurance : ESTI (61215), TÜV ¨ (Safety Class II), PVGap, ISO 9001...

The PW6-230 is Photowatt's new born « King size » module. Thanks to its big size and its high efficiency, it is specifically dedicated to large scale grid connected applications

The PW6-230 module uses Photowatt's multicrystalline 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 strengh polymer sheet.

With a tolerance improvement to+5% -3%, the PW6-230 module ensures more power homogeneity in installations, and a financial investment corresponding to the real power produced.

PACKING INFORMATION		
Module weight	Kg	24
Module size	mm	1885 x 962 x 38
Packing configuration	modules	2 per cartons
Packing size	mm	2013 x 1020 x 102
Modules packed weight	Kg	52
Maximum pallet size (34 modules)	mm	2040 x 1040 x 1770
Maximum pallet weight	Kg	904

ELECTRICAL CHARACTERISTICS			
PW6-230		**24 V Configuration**	**12 V Configuration**
Typical power	**W**	230	230
Minimum power	**W**	223	223
Voltage at typical power	**V**	34,9	17,45
Current at typical power	**A**	6,6	13,2
Short circuit current	**A**	7,2	14,4
Open circuit voltage	**V**	43,6	21,8
Maximum system voltage	**V**	**1000V DC**	
Temperature coefficient		α = +2,085 m A/°C ; β = -158 m V/°C ; γ P/P = - 0,43 %/°C	α = +4,17 m A/°C ; β = -79 m V/°C ; γ P/P = - 0,43 %/°C
Power specifications at 1000 W/m² : 25°C : AM 1,5			

* According to general warranty conditions

** Pending

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Solutions for natural power

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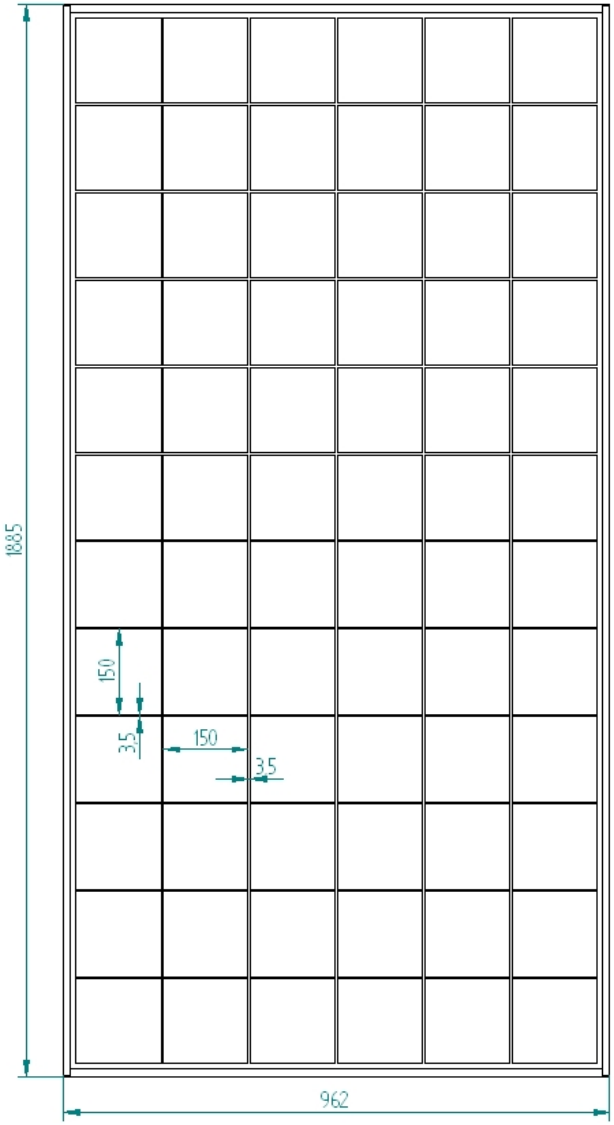
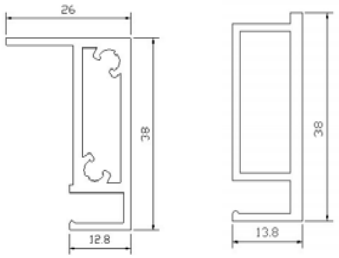
MODULES DIMENSIONS



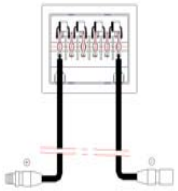
FRAME DETAILS



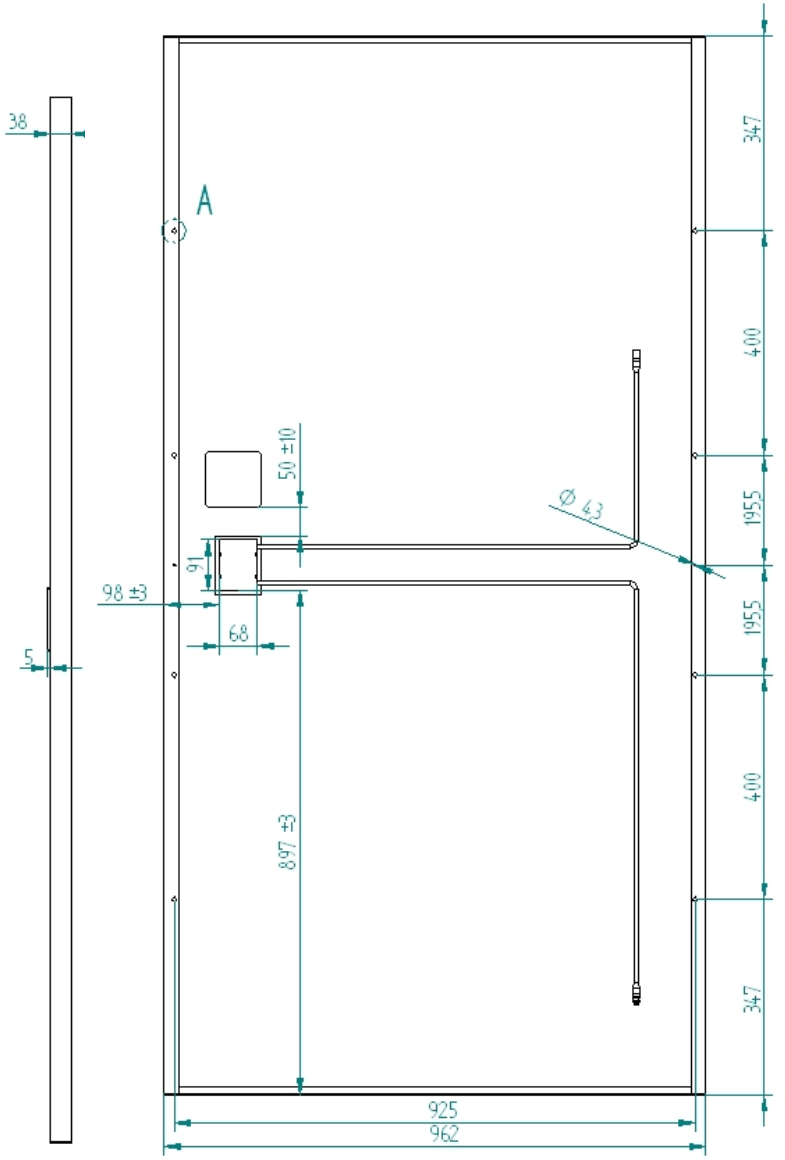
The mounting frame screw not passing beyond the frame

CABLES DETAILS

∅ 4 mm² cables



The module is protected by 4 schottky diodes



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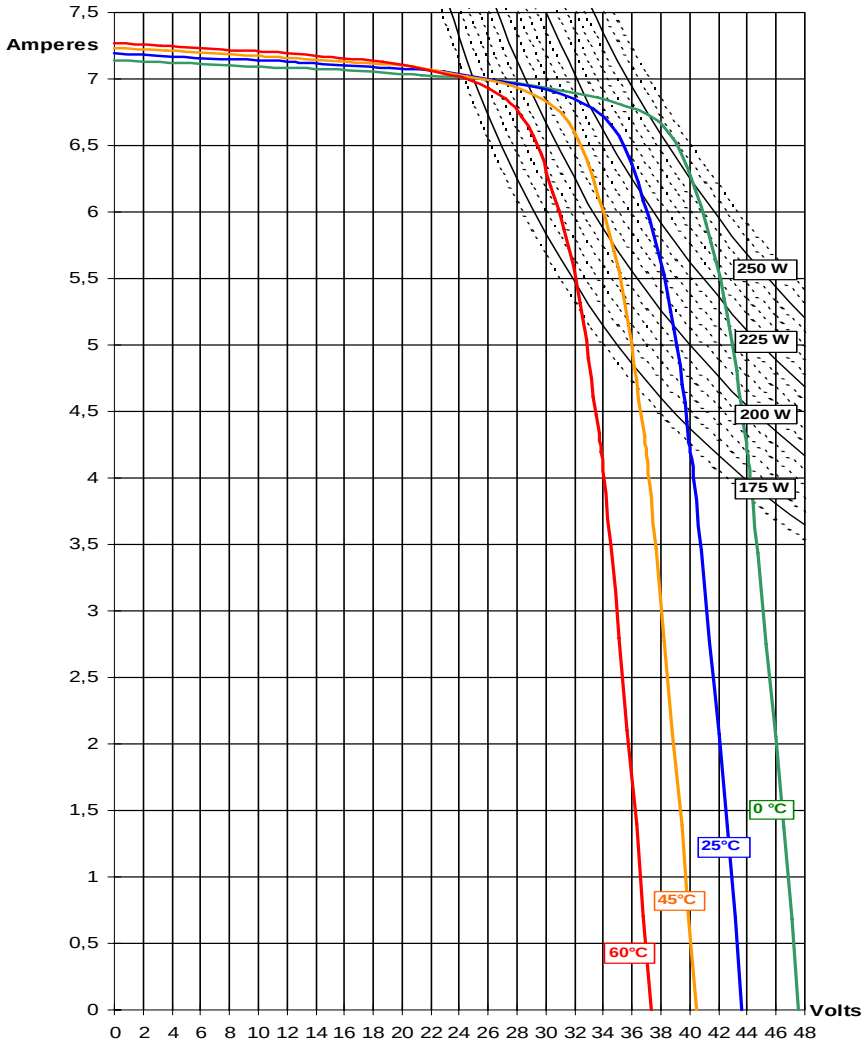
MODULES CHARACTERISTICS Ptyp : 230 Watts (24V)

I=F(V) à E=1 kW/m², AM=1,5 as a function of the junction temperature



I=F(V) à T = 25°C as a function of this irradiance E (kW / m2), AM 1,5.