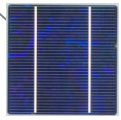
PHOTOWATT INTERNATIONAL S.A.

Solutions for natural power

PWX200- 12 V HIGH RELIABILITY PHOTOVOLTAIC MODULE - JBox

- Telemetering
- Radio / TV
- Maritime beaconing
- Signaling



The PWX200 module is made with 6 x 6 half polycrystalline 4 inch cells (101,50 mm X 50,60 mm) high efficiency

The PWX200 is designed with the double glass technology, with an optimum configuration that fulfills the most demanding PV applications. That type of heavy duty construction ensures the product electrical isolation and high durability, including in marine and tropical environments.

The PWX200 modules uses Photowatt's multicrystalline technology. The solar cells are individually charecterized and electronically matched 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 protects the cells from etching. The PWX200 benefits from excellent mechanicals properties and reliability thahks to its glass both sides.

The self supporting frame made from anodised aluminium was designed to allow it to be easily mounted either from the front or from the rear.

This module is available in glass / tedlar technology with the PW200 which minimize the weight while providing the same electrical datas.

For building integration, this module can be delivered without aluminium frame. Please contact us for further details.

EFFICIENCY WARRANTY : 10 YEARS* **PRODUCT WARRANTY : 5 YEARS***

PWX200		12 V Configuration
Typical power	**W**	22
Minimum power	**W**	18
Voltage at typical power	**V**	17
Current at typical power	**A**	1,3
Short circuit current	**A**	1,44
Open circuit voltage	**V**	21,5
Maximum system voltage	**V**	**600V DC**
Temperature coefficient		α = +0,48 mA/°C ; β = -79 mV/°C ; γ P/P = - 0,43 % /°C
Power specifications at 1000 W/m² : 25°C : AM 1,5		

*According to general warranty conditions

Datas subject to evolutions. Last update : September 2003

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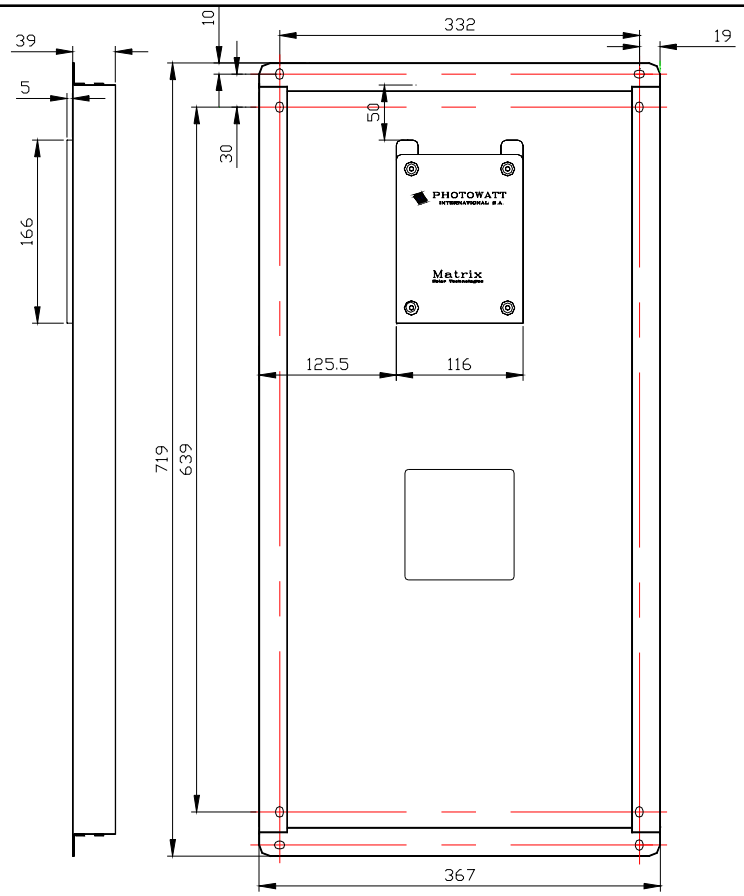
Module dimensions



➡ **Module weight : 5,2 kg**

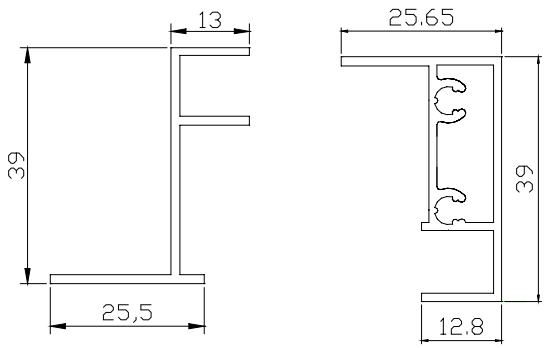
➡ **Module size:**
720 mm x 370 mm x 39 mm

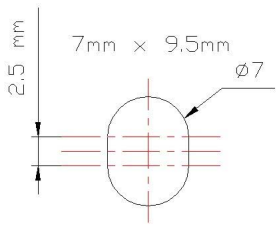
➡ **Packaged per unit :**
750 mm x 390 mm x 60 mm, 6,3 Kg

➡ **Maximum pallet size (90 modules) :**
1200 mm x 800 mm x 1900 mm, 577 Kg

The universal Junction Box accepts cables from 1,5 mm² to 4 mm² (AWG16 to AWG11)

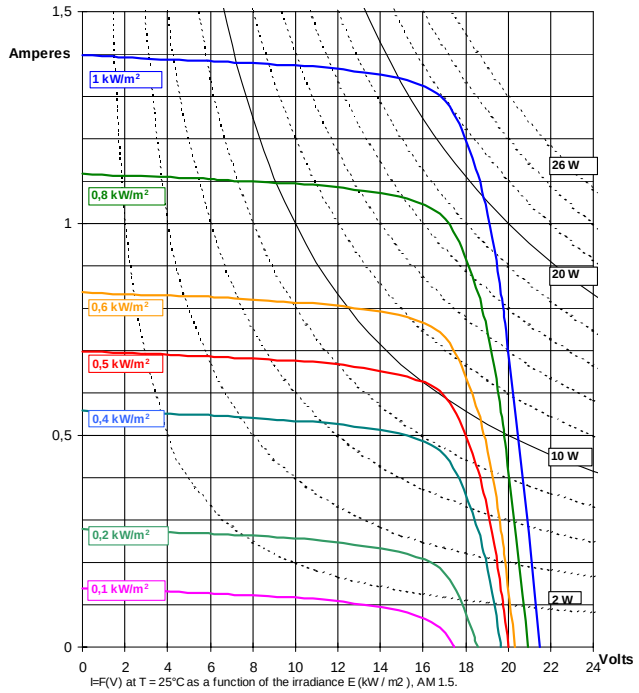
Frame





Module's mounting oblong hole

PWX200 Characteristics Ptyp : 22 Watts



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