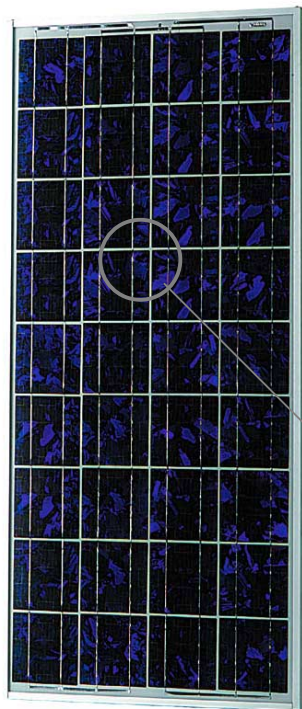
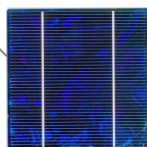


PWX850-12V HIGH RELIABILITY PHOTOVOLTAIC MODULE- JBox



- Telecommunications
- Cathodic Protection
- Water Pumping
- Signaling
- Rural Electrification
- Private Residences
- Buildings integration
- Grid connected



The PWX850 is made with 4 X 9 high efficiency (up to 15%) polycrystalline 5 inch cells (125mm X 125 mm), with a silicon nitride anti-reflective coating

The PWX850 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 PWX850 modules uses Photowatt's multicrystalline technology. The solar cells are individually characterized 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 PWX850 benefits from excellent mechanicals properties and reliability thanks 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 PW850 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 : 25 YEARS*

PRODUCT WARRANTY : 5 YEARS*

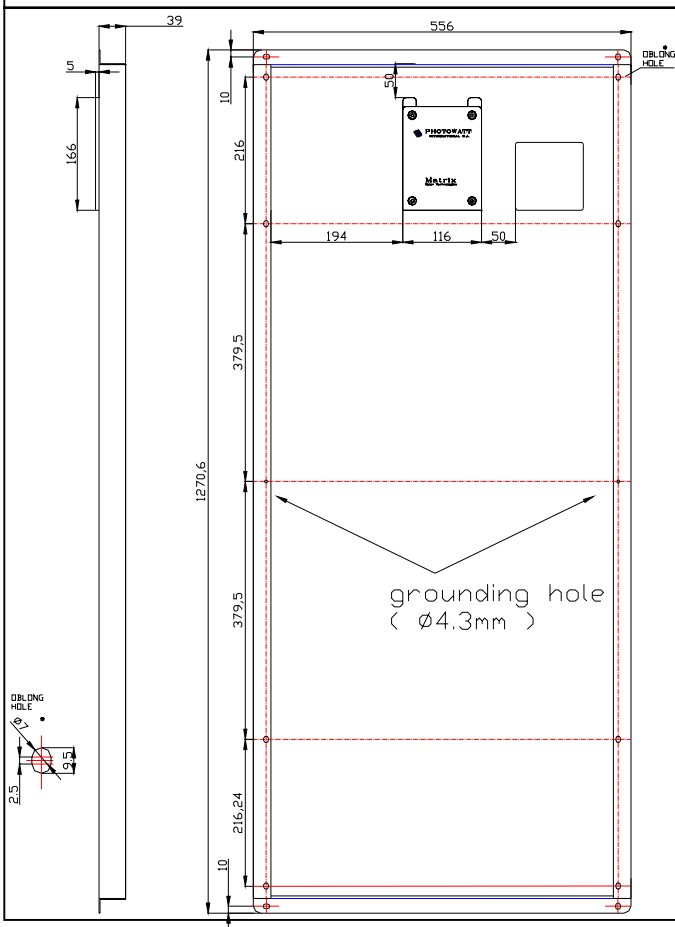
PWX850		12 V Configuration		
Typical power	W	75	80	85
Minimum power	W	70,1	75,1	80,1
Voltage at typical power	V	17	17,3	17,6
Current at typical power	A	4,4	4,6	4,8
Short circuit current	A	4,7	5	5,2
Open circuit voltage	V	21,5	21,6	21,6
Maximum system voltage	V	600V DC		
Temperature coefficient		$\alpha = +1,46 \text{ mA/}^\circ\text{C}$; $\beta = -79 \text{ mV/}^\circ\text{C}$; $\gamma \text{ P/P} = -0,43 \text{ \% /}^\circ\text{C}$		
Power specifications at 1000 W/m ² : 25°C : AM 1,5				



*According to general warranty conditions

Datas subject to evolutions. Last update : September 2003

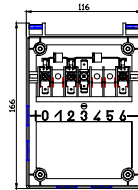
Module dimensions



- ➔ Module weight : 13 Kg
- ➔ Module size
1272 mm x 556 mm x 39 mm
- ➔ Packaged per unit
1310 mm x 600 mm x 60 mm, 16 kg
- ➔ Maximum pallet size (12 modules)
1400 mm x 740 mm x 880 mm, 207 kg

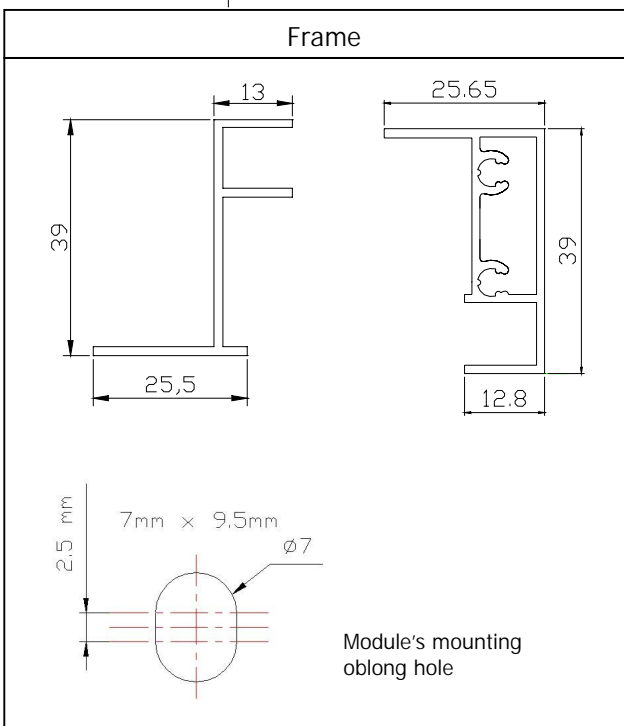


The universal junction box accepts cables from 1,5 mm² to 4 mm² (AWG11 to AWG16)



Module protected by 2 by-pass diodes (1 by pass per 18 cells)

Frame



PWX850 Characteristics Ptyp : 85 Watts

