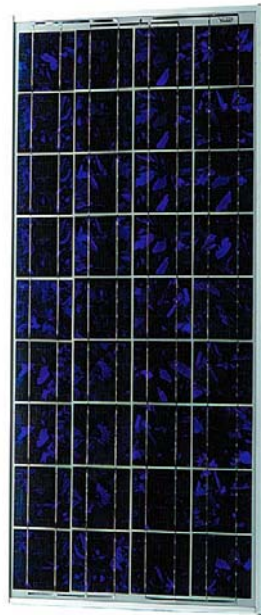


PHOTOWATT PWX850 - 12V

PHOTOVOLTAIC DOUBLE GLASS MODULE – JBOX

POLYCRYSTALLINE DOUBLE GLASS MODULE



APPLICATIONS
- Telecommunications
- Cathodic protection
- Water pumping
- Signaling
- Rural electrification
- Private residences
- Commercial buildings
- Grid connected

- 4x9 polycrystalline 5 inch cells (125,50 x 125,50 mm)
- **Product warranty : 5 years***
- **Efficiency warranty : 25 years***
- **Quality insurance : ESTI (61215), ISO 9001...**

The PWX850 is designed with the double glass technology, with an optimum configuration that fulfils 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 module 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.



PACKING INFORMATION		
Module weight	Kg	13
Module size with cables	mm	1271 x 556 x 39
Packing configuration	modules	2 per carton
Packing size	mm	1310 x 600 x 60
Modules packed weight	Kg	16
Maximum pallet size (12 modules)	mm	1400 x 880 x 740
Maximum pallet weight (12 modules)	Kg	207

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	17,2	17,3
Current at typical power	A	4,4	4,6	4,9
Short circuit current	A	4,7	5	5,3
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/m² : 25°C : AM 1,5				

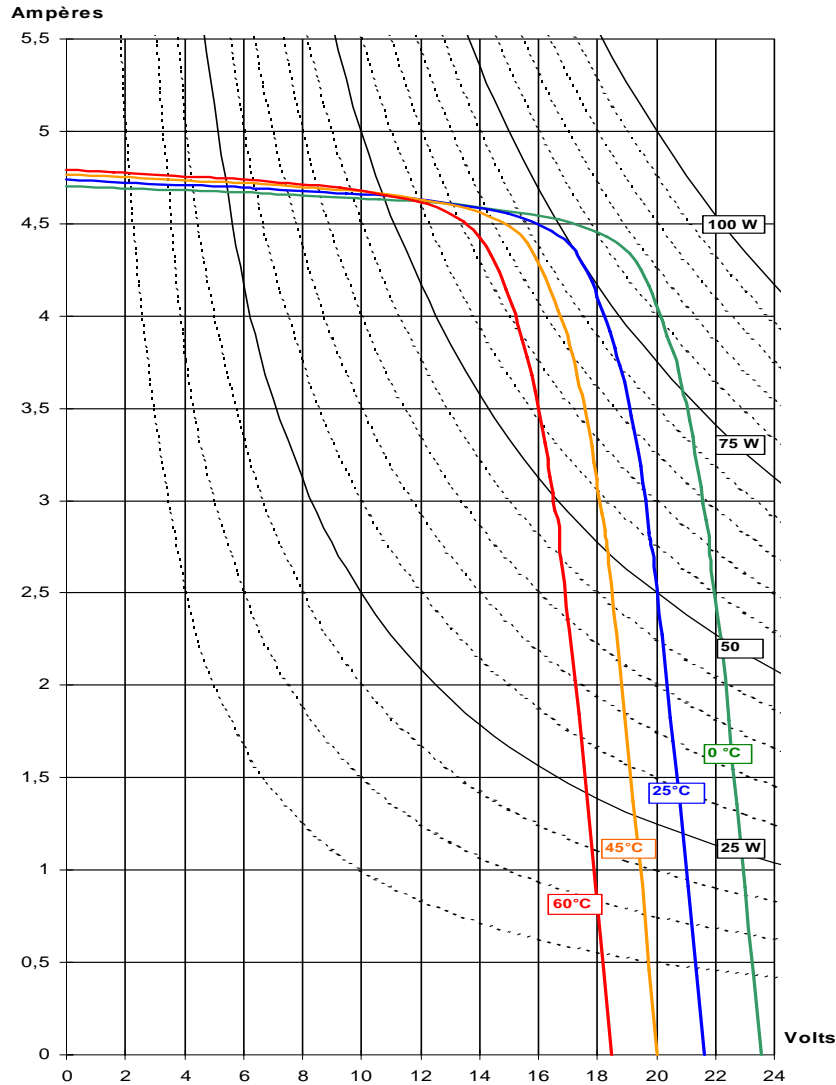
* According to general warranty conditions



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 The characteristics of this document are representative of the products and have no contractual value.
 Subject to products improvements, Photowatt reserves the right to modify the characteristics without prior notification.

I=F(V) à E=1 kW/m², AM=1,5 en fonction de la température



I=F(V) à T = 25°C en fonction de l'irradiance E (kW / m²), AM 1,5.

