

PW2450F

The high quality **photovoltaic module** «Made in France»

HIGH MODULE
CONVERSION EFFICIENCY
UP TO **15.7%**

25
YEARS

POWER
WARRANTY

10
YEARS

PRODUCT
WARRANTY

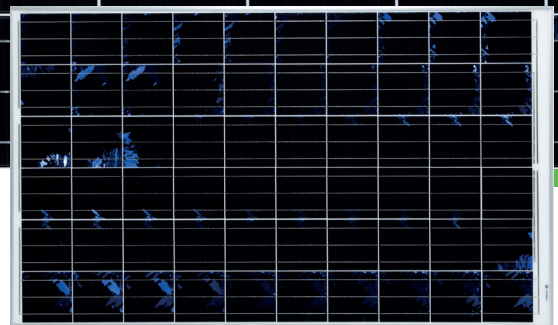


Photowatt®

Photowatt® has been a pioneer in the solar-energy industry for 35 years. The company designs and produces photovoltaic modules using crystalline silicon, integrating the manufacturing of all components: ingots, wafers and cells. Photowatt® makes a priority of meeting strict environmental standards so as to achieve consistency between its operations and practices, whether in terms of limiting its carbon footprint, organizing panel recycling or adhering to the profession's best practices.

Multicrystalline cells of PW2450F module are made in France, from processes continuously improved according to the most advanced technologies.

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QUALITY CERTIFICATES

IEC 61215	CE
IEC 61730	ISO 9001 : 2008
IEC 61701	ISO 14001

KEY FEATURES

CO2 : Very low carbon footprint

0/+5 Wp : Positive tolerance

High resistance to snow loads (5400 Pa)

10 years product warranty

25 years module power output linear warranty

Photowatt®

PW2450F

TECHNICAL CHARACTERISTICS

Nominal Power	W	240	245	250	255	260
Power tolerance	W	0/+5	0/+5	0/+5	0/+5	0/+5
Voltage at typical power	V	30,2	30,3	30,4	30,5	30,6
Current at typical power	A	8,0	8,1	8,2	8,4	8,5
Open circuit voltage	V	37,3	37,4	37,5	37,7	37,8
Short circuit current	A	8,5	8,6	8,7	8,9	9,0
Module conversion efficiency	%	14,5	14,8	15,1	15,4	15,7
Maximum system voltage	V	1000				
Maximal serie fuse rating	A	15				
NOCT	°C	47,3 +/-2				

Temperature coefficient $I_{sc} = +0,06\%/^{\circ}C$; $V_{oc} = -0,34\%/^{\circ}C$; $P_{max} = -0,42\%/^{\circ}C$

Under Standard Test Conditions (STC): irradiance of 1000 W/m², spectrum AM 1,5 and cells temperature of 25°C

MECHANICAL CHARACTERISTICS

Module weight	20 kg
Module size	1685 x 993 x 40 mm
Cell type	Multicrystallines
Cell size	156 x 156 mm
Cell number and arrangement	60 (6 x 10)
Front cover	AR coating tempered glass
Front material	Anodized aluminium alloy
Operating temperature	- 40°C to + 85°C
Acceptable maximum load	5400 Pa

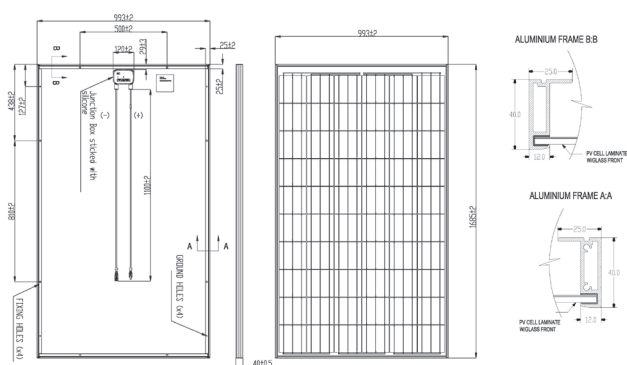
PACKAGING

Packaging configuration	24 modules per pallet
Packaging size	1755 x 1145 x 1250 mm
Maximum pallet weight	520 kg

Wiring (Solar cables)

Length	1100 mm
Section	4 mm ²
Connector type	MC4 or MC4 compatible

TECHNICAL DRAWINGS



ELECTRICAL DATA - NOCT

Pmpp	240W	245W	250W	255W	260W
Nominal Maximum Power (Pmax)	174	178	181	185	189
Optimum Operating Voltage (Vmp)	27,3	27,4	27,5	27,5	27,7
Optimum Operating Current (Imp)	6,38	6,49	6,6	6,71	6,8
Open Circuit Voltage (Voc)	34	34,1	34,2	34,4	34,5
Short Circuit Current (Isc)	6,96	7,08	7,19	7,29	7,39

D19-P06-01-GB-R2 - 01/15/2015
 Informations in this document could be modified without prior notification.
 Values subject to change with process improvement. Actual module may differ from pictures.



EDF ENR PWT

33, Rue Saint Honoré - CS 14012 - 38 307 Bourgoin Jallieu Cédex - France

Phone number: +33 (0)4 74 93 80 20 - Fax: +33 (0)4 74 93 80 40

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Contactez-nous : www.photowatt.com



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