



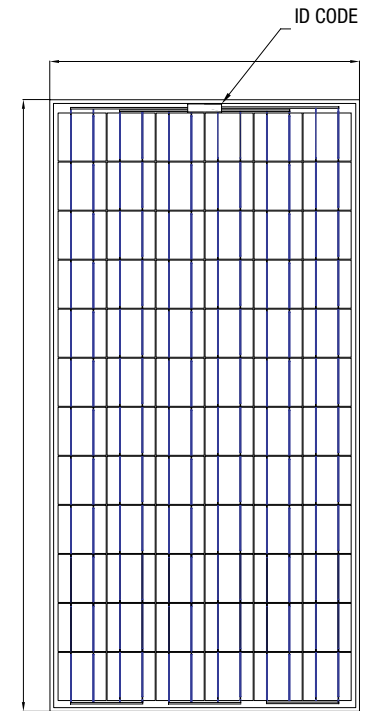
PHOTOVOLTAIC MODULE PX72



PHOTOVOLTAIC MODULE PX72



FRONT



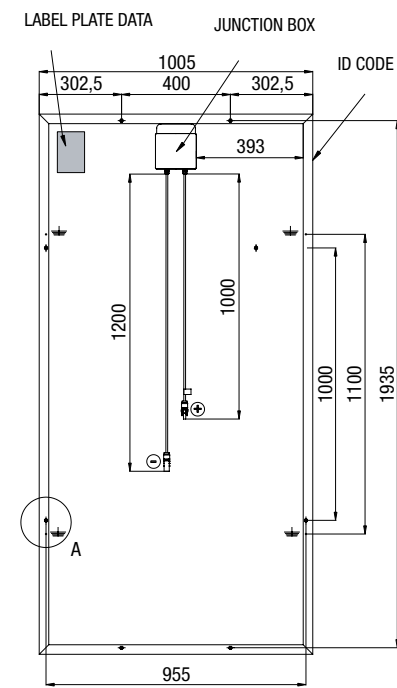
CERTIFICATIONS



APPROVED PRODUCT



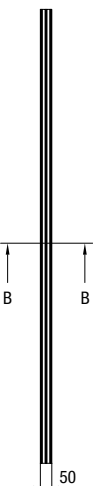
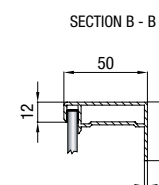
BACK

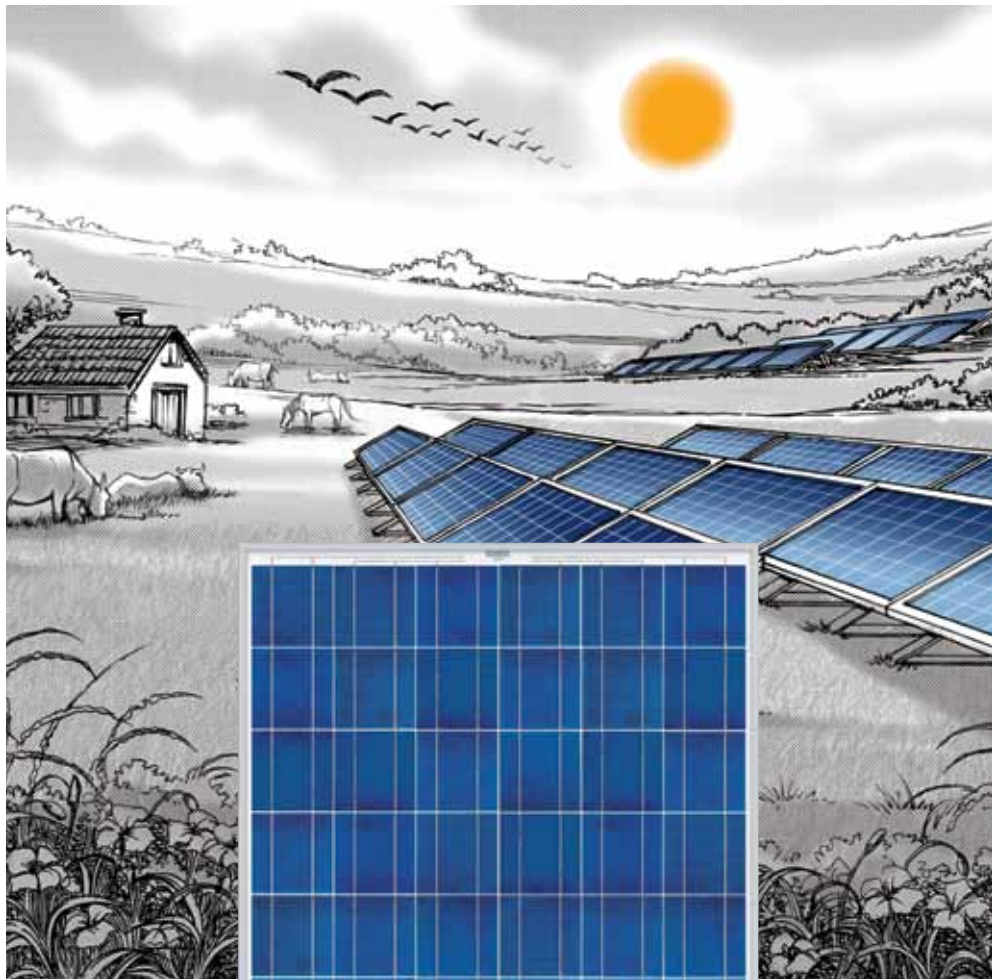


ASSOCIATIONS



PROFILE





PX72
260-270-280-290Wp
extra large

PHOTOVOLTAIC MODULE PX72

MECHANICAL SPECIFICATIONS

	With frame
Length	1983 mm
Width	1005 mm
Module depth	50 mm
Glass thickness	4 mm
Area	1,99 m ²
Active area	1,75 m ²
Weight	28 kg
Maximum mechanical load	240 kg/m ²

PV SOLAR CELLS

Dimension	6"
Shape	Square
Quantity	72
Layout	12 x 6
Frontal glass	Tempered, prismatic glass with low iron contents
Cell encapsulation	E.V.A. (Ethylen-Vinyl Acetate)
Back-sheet	PVF/PET/PVF or PET/PET
Frame	Extruded anodised aluminium
Junction box	IP65 class with 3 by-pass diodes, n.2 cables Ø 4mm with IP67 polarized connectors included

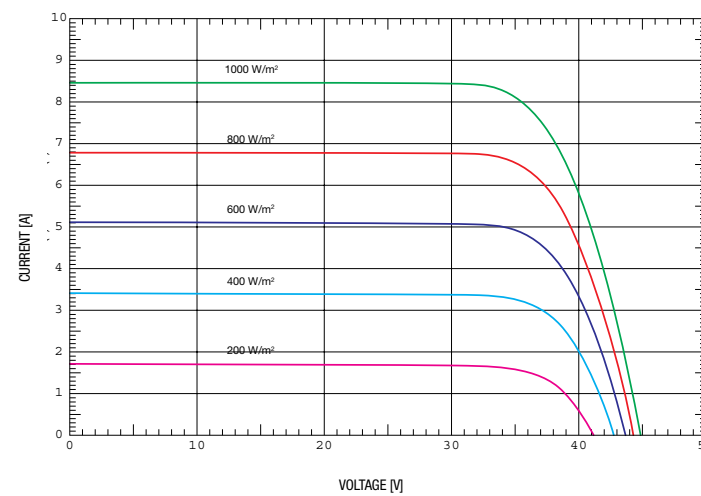
MULTICRYSTALLINE SILICON

ELECTRICAL SPECIFICATIONS

		PX72-260	PX72-270	PX72-280	PX72-290
Module class peak power [± 5Wp]	Wp	260	270	280	290
Rated voltage [Vmpp]	V	34,1	34,6	35,0	35,7
Rated current [Impp]	A	7,60	7,81	8,03	8,10
Open circuit voltage [Voc]	V	44,4	44,9	45,2	45,2
Short circuit current [Isc]	A	8,17	8,41	8,54	8,58
Module efficiency [%]	module area	13,05	13,55	14,05	14,55
	active area	14,84	15,41	15,98	16,55
Module productivity	W / m ²	130	135	140	146
Area per kWp	m ² / kWp	7,7	7,4	7,1	6,9
Maximum system voltage	V _{DC}	1000	1000	1000	1000
Reverse current load	A	20	20	20	20

GRAPHS OF ENERGETIC BEHAVIOUR

PHOTOVOLTAIC MODULE PX72
(performance at different solar radiations)



Temperature coefficient [Isc]	% / °C	0,063
Temperature coefficient [Voc]	% / °C	-0,330
Temperature coefficient [Pmpp]	% / °C	-0,479
NOCT [± 3,5 °C]	°C	48

The values refer to the standard test conditions (STC: irradiation 1000 W/m², spectrum AM 1,5, temperature 25°C)

- Fire class: C
- Temperature range: from -40°C to +85°C
- Hail impact: diameter of 25 mm with impact speed of 83 km/h
- Modules output: not less than 90% in 10 years, and 80% in 25 years
- 10 years warranty for manufacturing defects

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extra large

Solarday
Photovoltaic Module Manufacturer

The above values are measured by laboratories certified IEC 17025

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Solarday
Photovoltaic Module Manufacturer