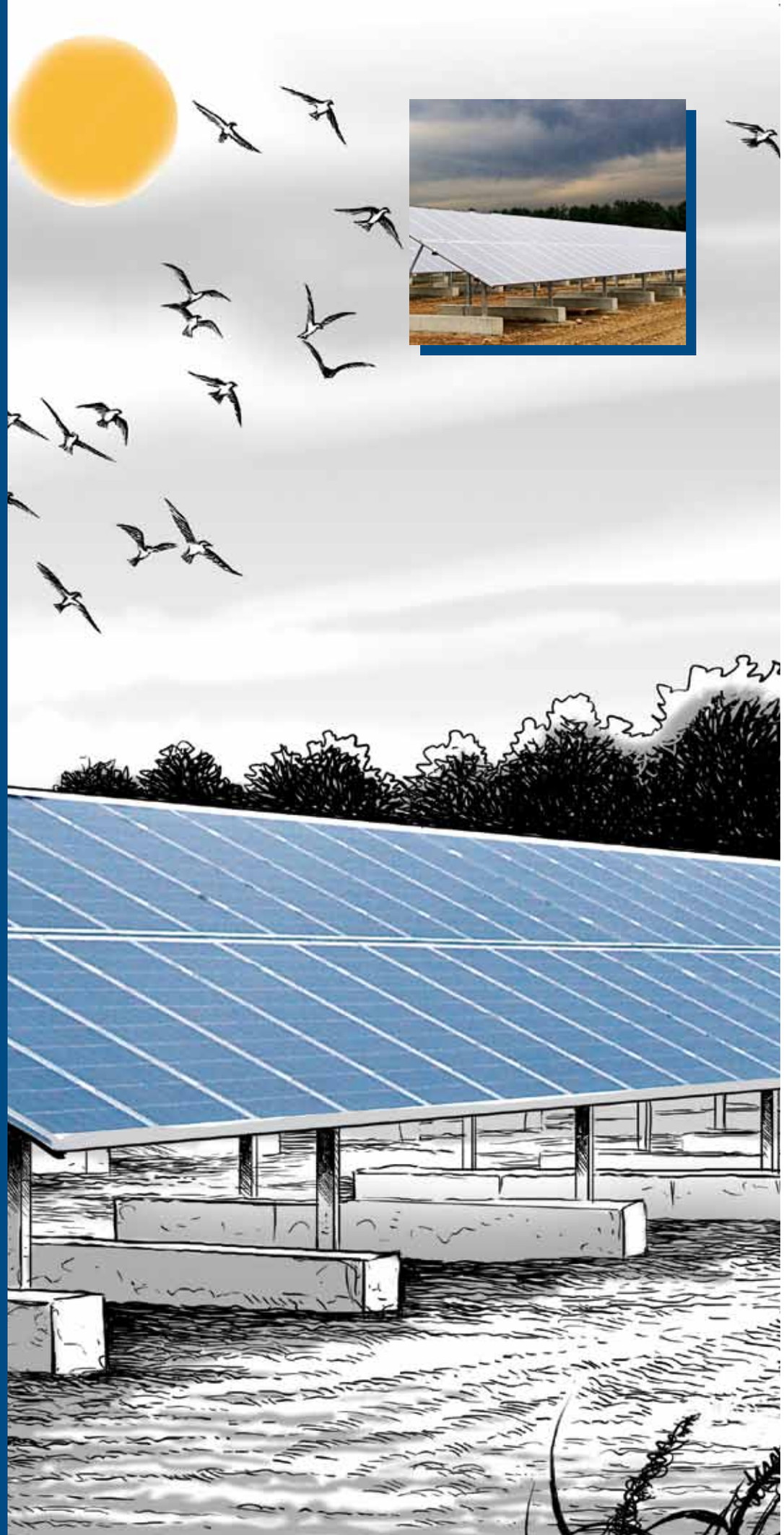
PHOTOVOLTAIC MODULE **PX72**

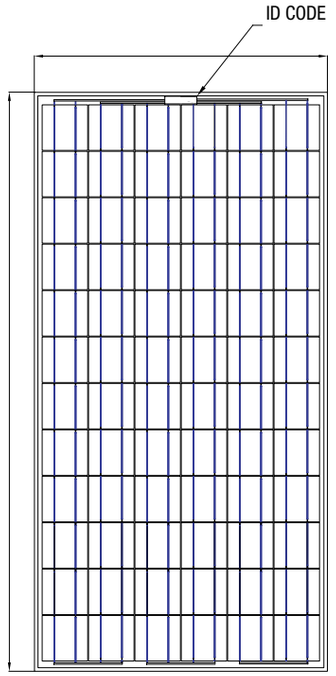




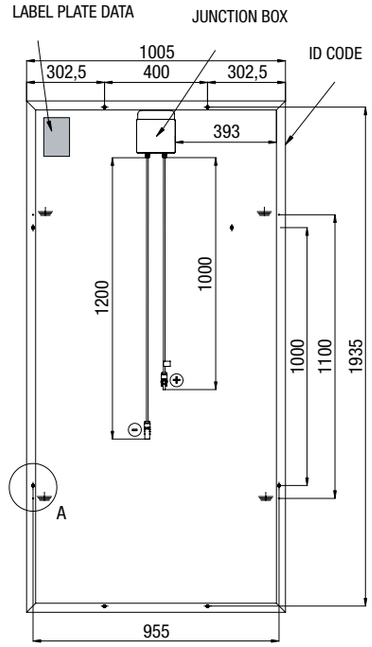
PHOTOVOLTAIC MODULE **PX72**

Solarday
Photovoltaic Module Manufacturer

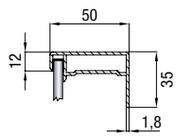
FRONT



BACK



SECTION B - B



CERTIFICATIONS

TÜV INTERCERT

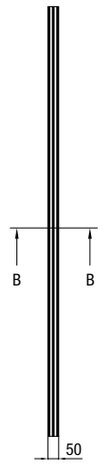
APPROVED PRODUCT
MCS
BBA APPROVAL INSPECTION TESTING CERTIFICATION

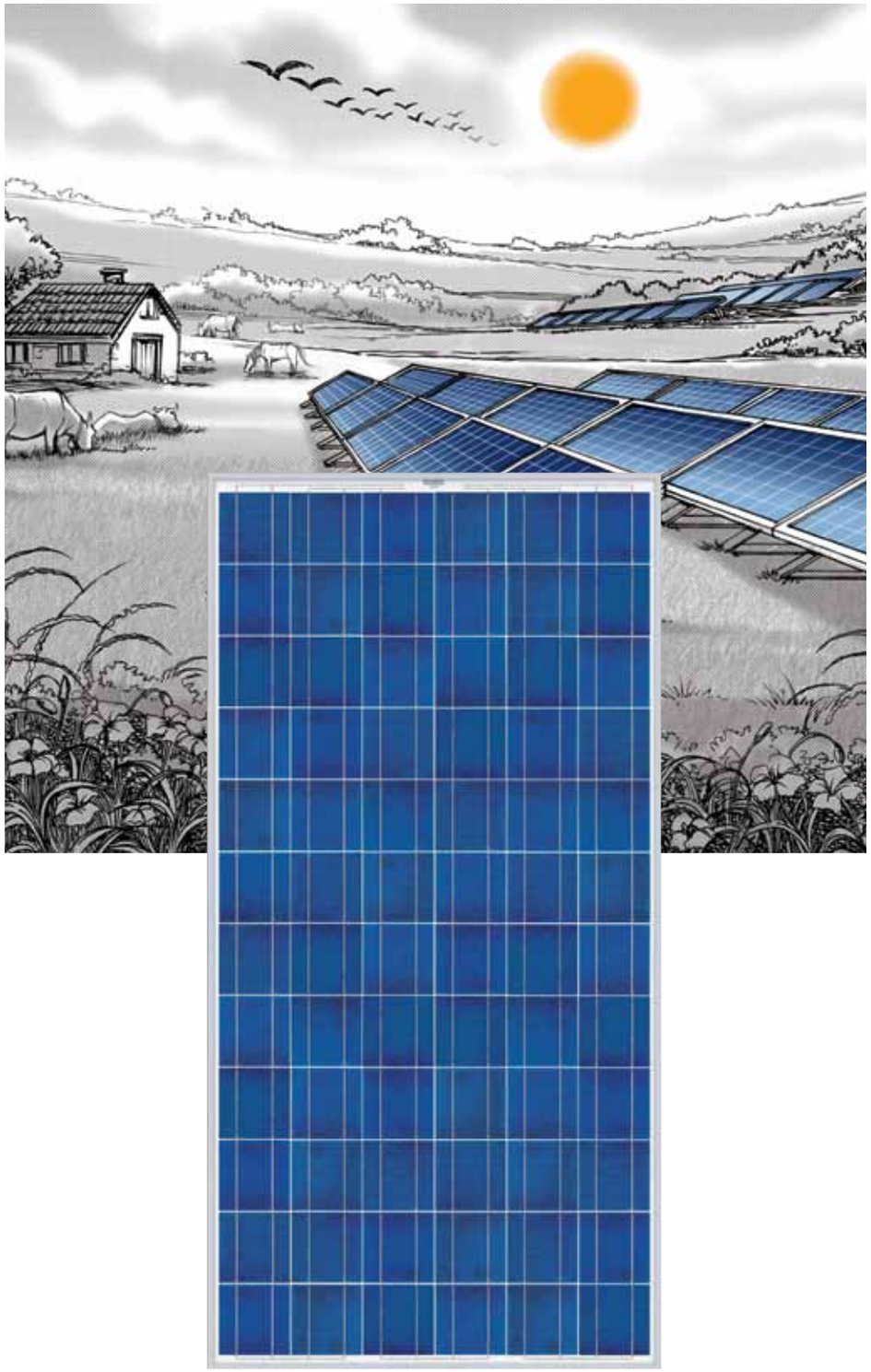
ASSOCIATIONS

PV CYCLE

EPIA

PROFILE





PX72
260-270-280-290Wp

extra large

Solarday
Photovoltaic Module Manufacturer

PX72
260-270-280-290Wp
extra large

PHOTOVOLTAIC MODULE **PX72**

MECHANICAL SPECIFICATIONS

	With frame
Lenght	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

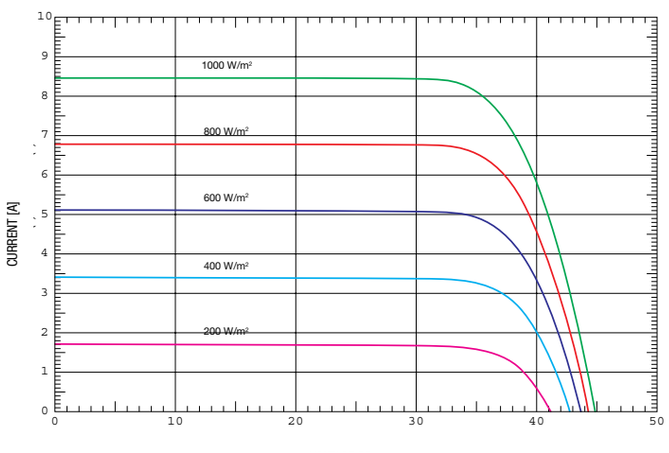
PV SOLAR CELLS	**MULTICRYSTALLINE SILICON**
Dimension	6”
Shape	Square
Quantity	72
Layout	12 x 6
Frontal glass	Tempered, prismatic glass with low iron contents
Cell encapsulation	E.V.A. (Ethylen-Vinyl Acetate)
Back-sheet	PVF/PET/PVF or PET/PET
Frame	Extruded anodised aluminium
Junction box	IP65 class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

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 active area	13,05 14,84	13,55 15,41	14,05 15,98	14,55 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)



The above values are measured by laboratories certified IEC 17025

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**

SOLARDAY S.p.A. - IN LIQUIDAZIONE
Società soggetta a direzione e coordinamento
del socio unico MX Group Spa
Via Verdi, 10 - 20861 Brugherio (Monza Brianza) Italia - Tel. (+39) 039 6883188 - (+39) 039 6020617 - Fax (+39) 039 6021069- E-mail: info@solarday.it

MAZZANTINI ADVERTISING
The specifications are subject to change without notice
04/2012