

# SUNPRISM

## PX Series 260 – 270 Wp

SUNPRISM Energy Technology is a pioneer Egyptian manufacturing company specialized in the crystalline photovoltaic (PV) solar power industry since 2005.

Our core business is the manufacturing of photovoltaic modules in a wide range of power levels for off-grid and on-grid applications up to 330 Wp.

Our acquired experience in crystalline PV module manufacturing comes from the heritage of our world-class engineers specialized in this domain since 1992.



## PX Series Features

- 60 high – performance Polycrystalline silicon solar cells made with an efficiency up to 19%.
- High durability materials
- Manufactured with compliance to German quality standards and warranted for 10 years.
- Power output guaranteed above 80% for 25 years.
- Positive tolerance power output.

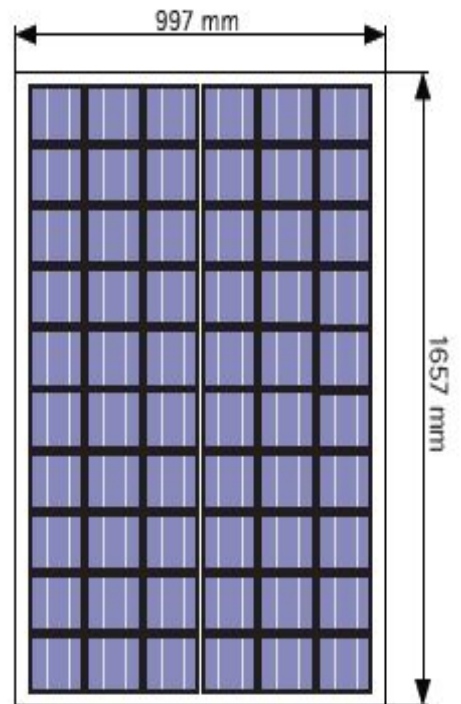


# Module series PX 260-270

## Technical specifications PX 260 265 270

	$P_{max}$ [W <sub>p</sub> ]	260	265	270
Nominal Power	$P_{max}$ [W <sub>p</sub> ]	260	265	270
Rated current	$I_{MP}$ [A]	8.47	8.63	8.77
Rated Voltage	$V_{MP}$ [V]	30.73	30.76	30.85
Short circuit current	$I_{SC}$ [A]	8.87	9.07	9.19
Open circuit voltage	$V_{OC}$ [V]	37.67	38.17	38.39

Peak power under test conditions (STC:1000W/m<sup>2</sup>,25°C, spectrum AM 1.5)



## Technical specifications PX 260 265 270

	$P_{max}$ [W <sub>p</sub> ]	260	265	270
Nominal Power	$P_{max}$ [W <sub>p</sub> ]	185	188	192
Rated current	$I_{MP}$ [A]	6.70	6.81	6.92
Rated Voltage	$V_{MP}$ [V]	27.6	27.7	27.8
Short circuit current	$I_{SC}$ [A]	7.0	7.1	7.2
Open circuit voltage	$V_{OC}$ [V]	33.9	34.3	34.5

Rated value with nominal operating cell temperature (NOCT:800 W/m<sup>2</sup>,48± 2°C,spectrum AM 1.5)

## Properties for system design

Protection class II

System voltage	$V_{SYS}$ [V]	1500	Temperature coefficient $I_{SC}$	$\alpha$ [mA/K]	+	4.4
Reverse current	$I_R$ [A]	15	Temperature coefficient $V_{OC}$	$\beta$ [mV/K]	-	2.00

## Mechanical properties

Front covering	3.2mm AR tempered solar glass	Protection class	Junction box IP68
Back covering	Monolayer high grade PET	Cable	1 m with MC4 connector or compatible
Solar cell	60 Polycrystalline 6" silicon cells	Weight	17.9 kg
Dimensions	1657 x 997 x 40 mm	HL-test	5400 Pa
Packaging Configuration	25 modules per box, 26 boxes per 40' HQ container /12 boxes per 20' container		

Over the years SUNPRISM Energy Technology has set high benchmarks with its high quality standards.

Continuous tests guarantee a consistently high level of quality. Every modules undergoes visual, mechanical, and electrical inspections.

Each module will be HV-tested and examined by electro luminescence. This is recognisable by means of the original SUNPRISM label, the serial number, and the SUNPRISM guarantee:

- 10 years product warranty
- 10 years linear performance warranty for a power output of 90%
- 25 years linear performance warranty for a power output of 80%
- Detailed warranty conditions and additional information can be found in our warranty terms
- Certified according to IEC 61215 and IEC 61730

\* SUNPRISM reserves the right to change specifications without prior notice

