

# SUNSET

## PX Series special 200 - 250 W<sub>p</sub>

### -HEAVY DUTY (HD)-

As a solar specialist with 30 years of experience, SUNSET makes a significant contribution to a ground breaking progress in solar technology.

A result of our long term experience is the PX series, a photovoltaic module with poly crystalline cells. The PX series is designed for applications with high power requirements. These outstanding modules produce a continuous and reliable yield, even under extreme conditions. The modules of the SUNSET PX Series are suitable for on-grid and special off-grid applications.



### Sunset PX series -HD- at a glance

- 60 high-performance poly crystalline silicon solar cells made from SUNsilicon® with an efficiency up to 19%
- Textured cell surface for particularly high electricity yields
- Use of tempered white high resistant solar glass, EVA plastic, and weather protection, as well as an anodised aluminium frame for long-term use
- Manufactured under German quality standards
- Also suitable for SUNpower Roof® integration system and SUNpremium® field mounting system
- Extra stabilisation bar on the back side of the module makes this module suitable for extreme conditions and heavy loads

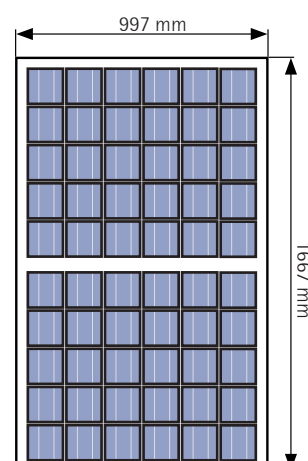
The world's future energy <sup>®</sup> by

## Module series HD version

### PX 200-/ 210-/ 220-/ 230/ 240-/ 250-60 HD

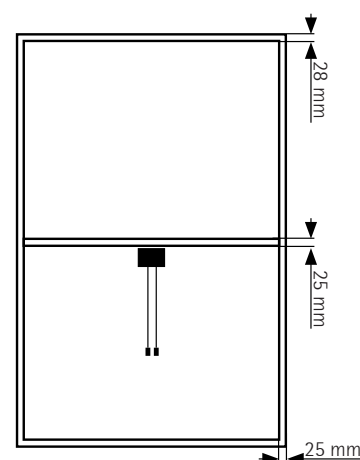
Technical specifications PX			200	210	220	230	240	250
Nominal power ( $\pm 5\%$ )	$P_{max}$	[W <sub>p</sub> ]	200	210	220	230	240	250
Rated current	$I_{MP}$	[A]	6.90	7.11	7.40	7.70	7.95	8.17
Rated voltage	$V_{MP}$	[V]	29.0	29.5	29.8	29.9	30.3	30.5
Short circuit current	$I_{SC}$	[A]	7.60	7.80	8.10	8.20	8.50	8.80
Open circuit voltage	$V_{OC}$	[V]	36.0	36.3	36.6	36.9	37.2	37.4

Peak power under test conditions (STC: 1000 W/m<sup>2</sup>, 25°C, spectrum AM 1,5)



Technical specifications PX			200	210	220	230	240	250
Nominal power	$P_{max}$	[W <sub>p</sub> ]	142	149	156	163	170	178
Rated current	$I_{MP}$	[A]	5.52	5.69	5.92	6.16	6.36	6.54
Rated voltage	$V_{MP}$	[V]	26.1	26.6	26.8	26.9	27.3	27.5
Short circuit current	$I_{SC}$	[A]	6.16	6.32	6.56	6.64	6.89	7.13
Open circuit voltage	$V_{OC}$	[V]	32.4	32.7	32.9	33.2	33.5	33.7

Rated value with nominal operating cell temperature (NOCT: 800 W/m<sup>2</sup>, 48 $\pm$  2°C, Spektrum AM 1,5)



### Properties for system design

Protection class			II			
System voltage	$V_{SYS}$	[V]	1000	Temperature coefficient $I_{SC}$	$\alpha$	[%/K] + 0.053
Reverse current	$I_R$	[A]	15	Temperature coefficient $V_{OC}$	$\beta$	[%/K] - 0.32

### Mechanical properties

Front covering	3.2 mm solar glass	Protection class	junction box IP 65
Back covering	multi layer foil	Cable connection	Multi Contact MC4 or. compatible
Type of cell	poly crystalline	Weight	20.1 kg
Dimensions	1667 x 997 x 47 mm		

Over the years SUNSET Solar has set high benchmarks with its high quality standards.

Continuous tests guarantee a consistently high level of quality. Every module undergoes visual, mechanical, and electrical inspections. This is recognisable by means of the original SUNSET label, the serial number, and the SUNSET guarantee:

- 5 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
- Production according to IEC 61215 and IEC 61730

Partner: