

SOLUXTEC

Wir können Sonne

PowerSlate MONO XSC

Ninside Serie

PSMXSCNi420 | PSMXSCNi425 | PSMXSCNi430

The **PowerSlate XSCNi** is the newest frameless panel developed by Soluxtec based on its original series **PSM**. Due to the success met in a niche market, **Soluxtec** decided to update it in order to match the higher power class demanded by customers. Indeed, **Soluxtec** worked out of the same aesthetic clean-cut-design and mainly focused on power gain.

The **PowerSlate XSCNi** is the perfect panel to meet aesthetic needs, or in combination with **BIPV** solution.

Soluxtec recommends using this product for residential projects or wherever aesthetics is paramount.



25 YEARS
PRODUCT WARRANTY

25 YEARS
LINEAR PERFORMANCE WARRANTY

POSITIVE SORTING 0/1+1,93/1/2

HIGHER EFFICIENCY

PID SAFE
PID FREE

100% EQ QUALITY CONTROL

1500 V

THERMAL PROPERTIES

AMMONIA RESISTANT

EASY TO HANDLE

LID PERFORMANCE
0 LID

O-PID

Optimized PID control. The combination of selected high-class materials prevent any occurrence of power induced degradation.

LID SAFE

Insusceptible against Light Induced Degradation, due to the absence of boron-oxygen recombination.

IMPROVED LCOE

LCOE of PSMXSCNi compared to industrial standard PV module technologies, provides much better results

RELIABILITY

Inexhaustible in severe environmental conditions Ammonia (NH3) and Salt Mist certified.

POWERFULL

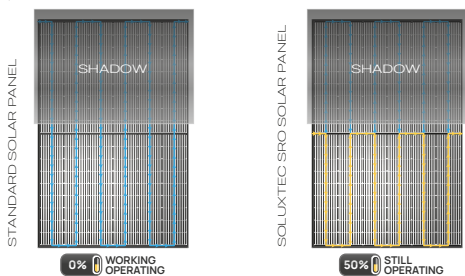
PSMXSCNi provides an efficiency up to 22%. Best conversion efficiency under low light.

S-MBB

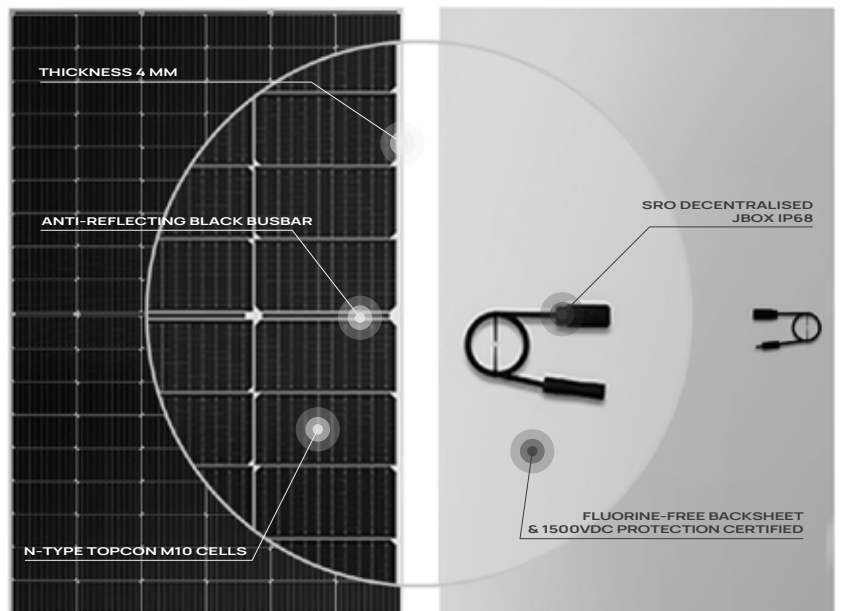
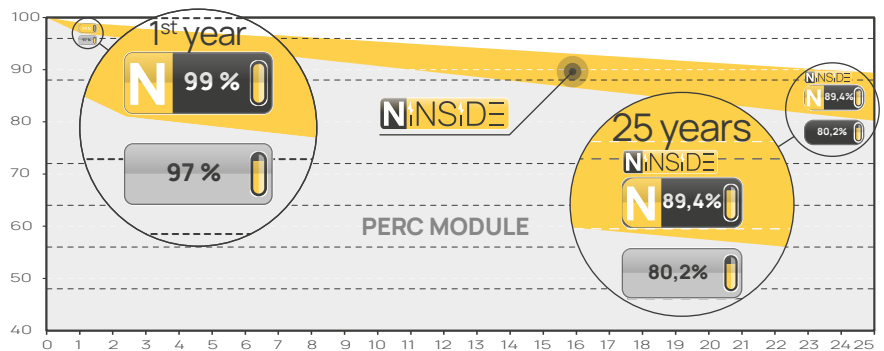
Thanks to Soluxtec's smart multi-busbar technology, PSMXSCNi offers the highest light catching value. In combination with an extraordinary homogeneous current flow, it also offers higher power and better temperature as the current industrial average.

SRO - SHADING RESPONSE OPTIMIZED

Advantage of half cut cells connected in the middle of the pv module compared to standard production.



25 YEARS LINEAR EFFICIENCY



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FR

EN

DE

ELECTRICAL PARAMETERS UNDER STC CONDITIONS

(1000 W/m², 25°C, +/-2°C, AM=1,5 according to IEC 60904_3).

Model	PSMXSCNi 420	PSMXSCNi 425	PSMXSCNi 430
Maximum Power Point (Pmax)*	420	425	430
Open Circuit Voltage (Voc)	38,52	38,70	38,88
Short Circuit Current (Isc)	13,73	13,81	13,89
Maximum Power Voltage (Vmpp)	32,24	32,42	32,60
Maximum Power Current (Impp)	13,04	13,12	13,20
Module Efficiency (%)	21,72	21,97	22,23
Power Tolerance (Wp)		0-4,99Wp	
T temperature coefficient TC Isc		+0,03%/°C	
Temperature coefficient TC Voc		-0,28%/°C	
Temperature coefficient TC Pmpp		-0,30%/°C	

*Power measurement of flasher unit +/-3%

ELECTRICAL PARAMETERS UNDER NMOT CONDITIONS

(800 W/m², NMOT, AM=1,5)

MODEL	PSMXSCNi 420	PSMXSCNi 425	PSMXSCNi 430
Maximum Power Point (Pmax)	310	314	318
Open Circuit Voltage (Voc)	35,76	35,94	36,12
Short Circuit Current (Isc)	10,99	11,05	11,12
Maximum Power Voltage (Vmpp)	29,79	29,97	30,15
Maximum Power Current (Impp)	10,44	10,50	10,56

OPERATING CONDITIONS

Max. Operating Voltage:	1500 Vdc
Protection Class:	Class II
Operating T ⁰ range:	-40°C ... +85°C
Max. Reverse Current:	25 A
STC 25°C:	+/- 2°C
NMOT 45°C:	+/- 2°C
Design load + (snow):	1600 PA
Maximum test load +:	2400 PA
Design load - (wind):	1600 PA
Maximum test load - :	2400 PA

MECHANICAL PROPERTIES

Dimensions:	1717 * 1128 * 5,5 mm
Weight:	24 kg +/- 3 %
Cell:	108 half cut Mono TOPCON NTYPE
Junction Box:	IP 68, 3 diodes potted
Connectors:	MC4 Evo2 or Compatible
Cables:	2 * 1200 mm
Solar Glass front / back:	4 mm tempered ARC

PACKAGING

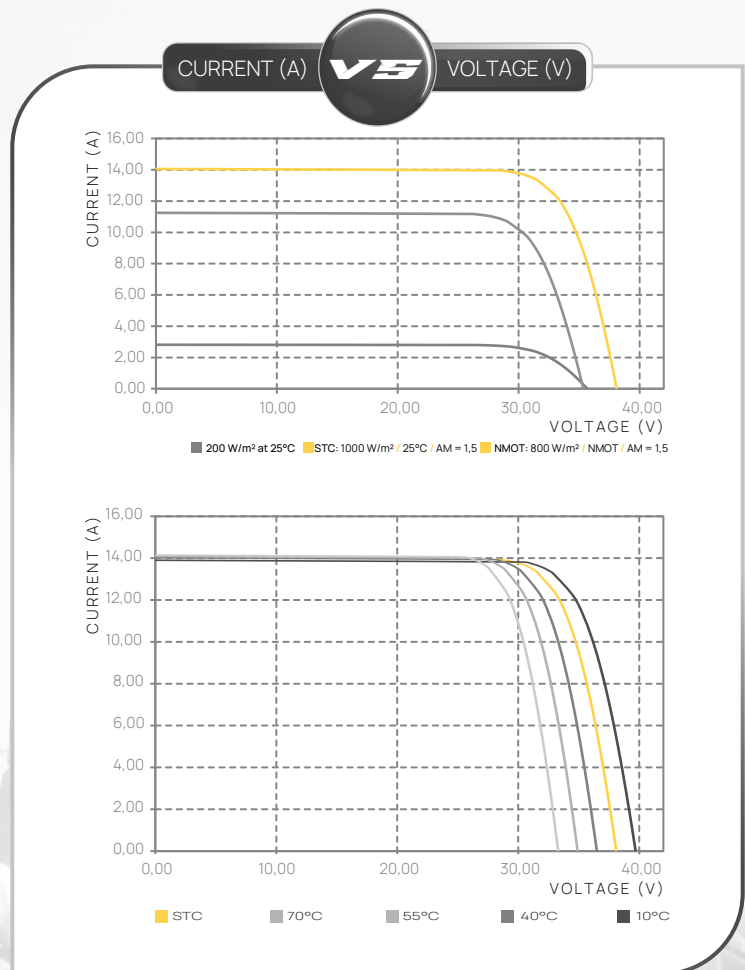
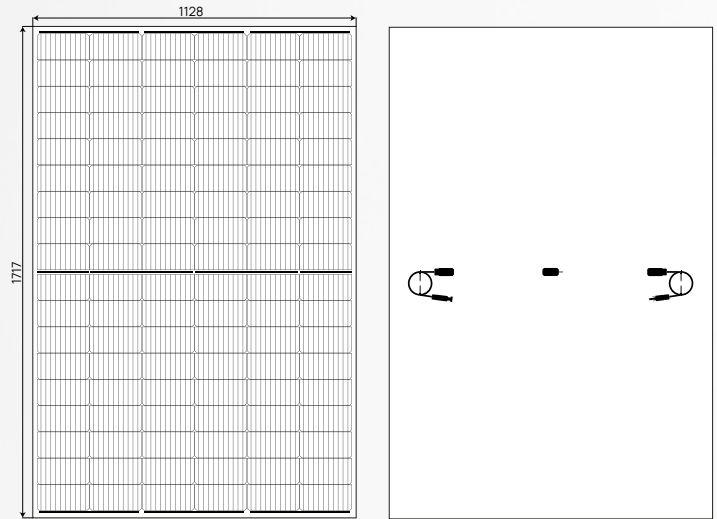
Per Pallet:	29 Modules
Per Truck:	26 Pallets

CERTIFICATIONS

IEC 61215, EN 61730, IEC61701, IEC62804, IEC62716, ISO9001, ISO14001
LVD 2014/35/EU, EMC 2014/30/EU.



MECHANICAL



SOLUXTEC
MADE IN GERMANY

This data sheet complies with the requirement of **EN 50380**. Soluxtec GmbH reserves the right to make specification changes without prior notice (2023)

DISCLAIMER: For final product, all specifications, and data may be subject to change to improve reliability, function, or design or otherwise.

