FR EN DE

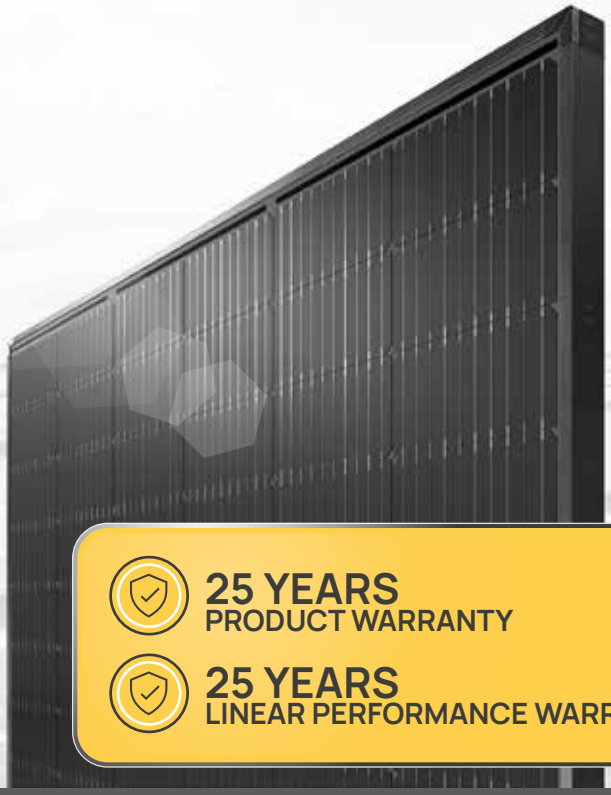
SOLUXTEC
Wir Kennen Sonne

DAS MODUL MONO XSC

Ninside Serie

DMMXSCNi415 I DMMXSCNi420 I DMMXSCNi425

Soluxtec's very first **N-Type** PV Module Made in Germany. Tunnel Oxide Passivation Contact Cells **TOPCON** are offering a new era of quality and efficiency within the product range of **SOLUXTEC DAS MODUL**.



25 YEARS
PRODUCT WARRANTY

25 YEARS
LINEAR PERFORMANCE WARRANTY

POSITIVE SORTING 0/+4.99 WP | HIGHER EFFICIENCY | PID SAFE (PID FREE) | 100% EL QUALITY CONTROL | NEW FRAME | 1500 V | THERMAL PROPERTIES | AMMONIA RESISTANT (NH3) | EASY TO HANDLE | LID PERFORMANCE (0 LID)

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

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

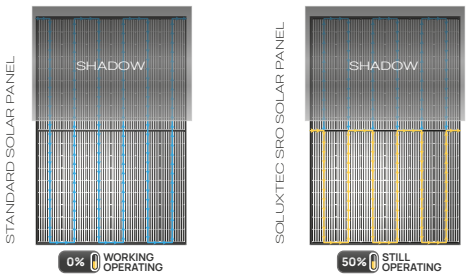
IMPROVED LCOE
LCOE of DMMXSCNi compared to industrial standard PV module technologies, provides much better results

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

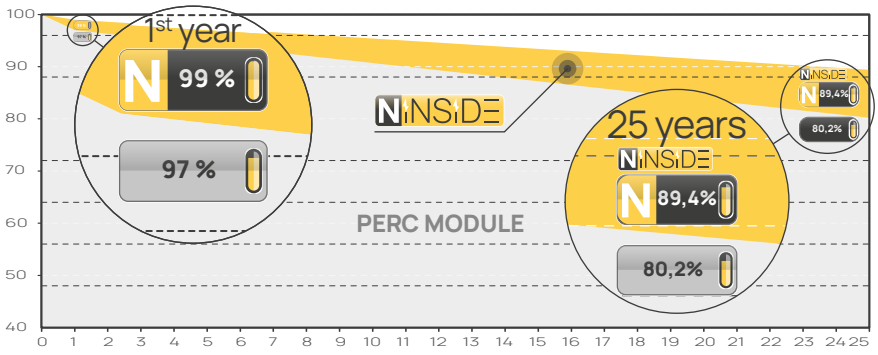
POWERFULL
DMMXSCNi provides an efficiency up to 21,7%.
Best conversion efficiency under low light.

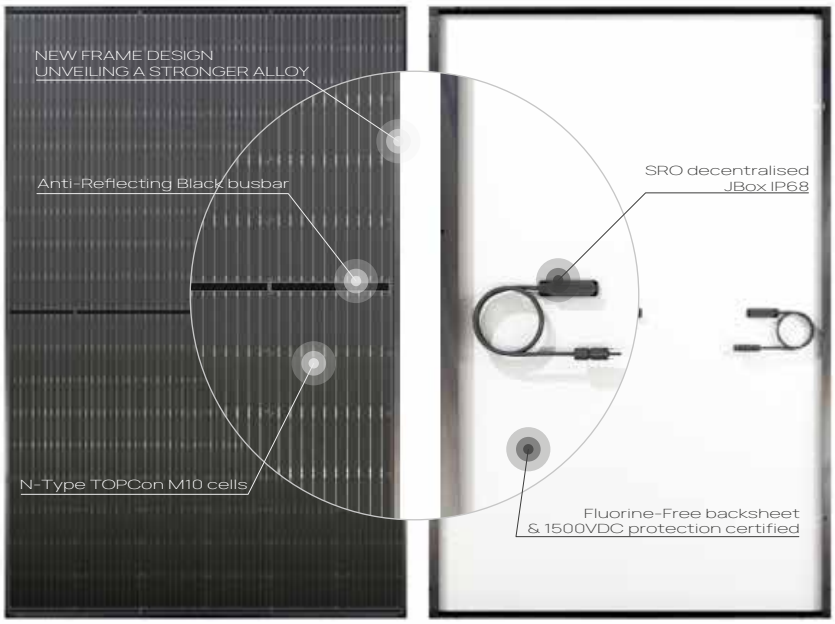
S-MBB
Thanks to Soluxtec's smart multi-busbar technology, DMMXSCNi offers the highest light catching value. In combination with an extraordinary homogeneous current flow, it also offers higher power and better temperature as the current industrial average.

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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ELECTRICAL PARAMETERS UNDER STC CONDITIONS

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

Model	DMMXSCNi 415	DMMXSCNi 420	DMMXSCNi 425
Maximum Power Point (Pmax)*	415	420	425
Open Circuit Voltage (Voc)	37,95	38,14	38,32
Short Circuit Current (Isc)	13,77	13,85	13,93
Maximum Power Voltage (Vmpp)	31,83	32,02	32,20
Maximum Power Current (Impp)	13,04	13,12	13,20
Module Efficiency (%)	21,27	21,53	21,79
Power Tolerance (Wp)		0-4,99Wp	
T emperature 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	DMMXSCNi 415	DMMXSCNi 420	DMMXSCNi 425
Maximum Power Point (Pmax)	306	310	314
Open Circuit Voltage (Voc)	35,19	35,38	35,56
Short Circuit Current (Isc)	11,02	11,08	11,15
Maximum Power Voltage (Vmpp)	29,38	29,57	29,75
Maximum Power Current (Impp)	10,44	10,50	10,56

OPERATING CONDITIONS

Max.Operating Voltage:	1500 Vdc
Protection Class:	Class II
Operating T⁰ range:	- 40°C ... + 85°C
Max. Reverse Current:	25 A
STC 25°C:	+/- 2°C
NMOT 45° C:	+/- 2°C
Design load + (snow):	3600 PA
Maximum test load +:	5400 PA
Design load - (wind):	2666 PA
Maximum test load - :	4000 PA

MECHANICAL PROPERTIES

Dimensions:	1722 * 1133 * 30 mm
Weight:	21.5 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:	3.2 mm tempered ARC

PACKAGING

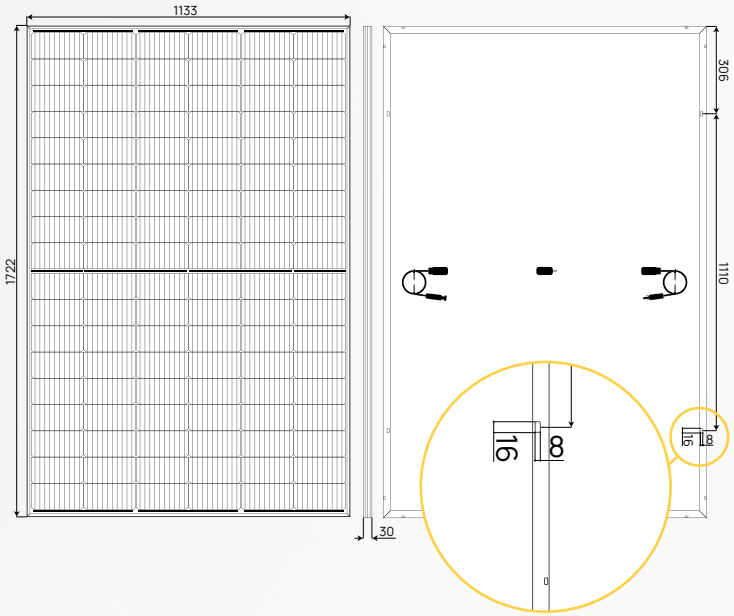
Per Pallet:	34 Modules
Per Truck:	28 Pallets

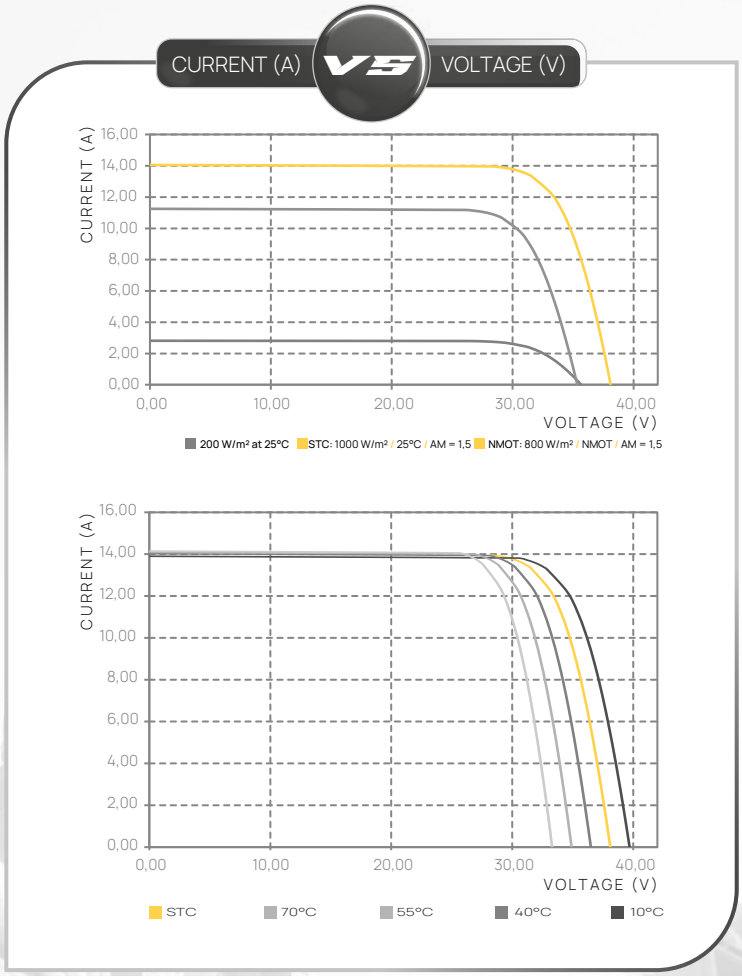
CERTIFICATIONS

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.