

132 CELLS

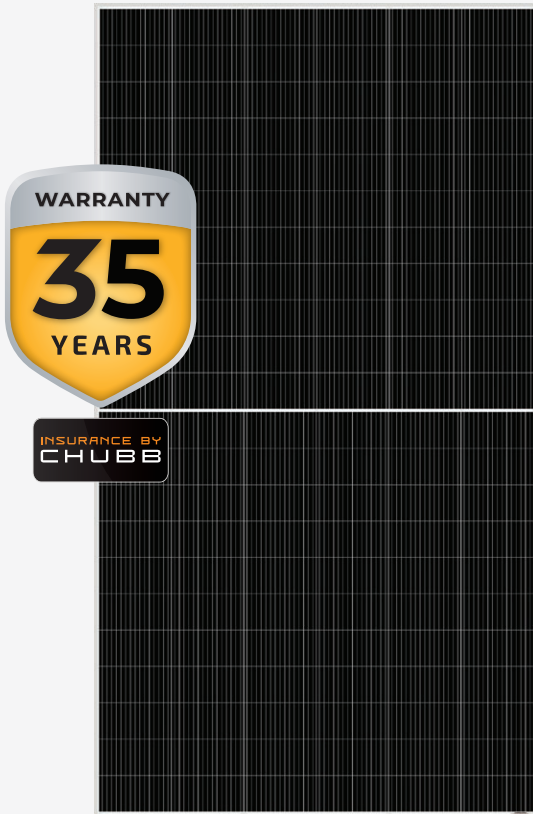
695-715 Wp

210.00 MM

MODULE CODE: SSPXXXS9-132NT



TOPCON



**REVOLUTIONARY EFFICIENCY UP TO 23.02%**  
**HIEFFICIENCY** technology is a guarantee of the highest performance and power as well as lower BOS cost

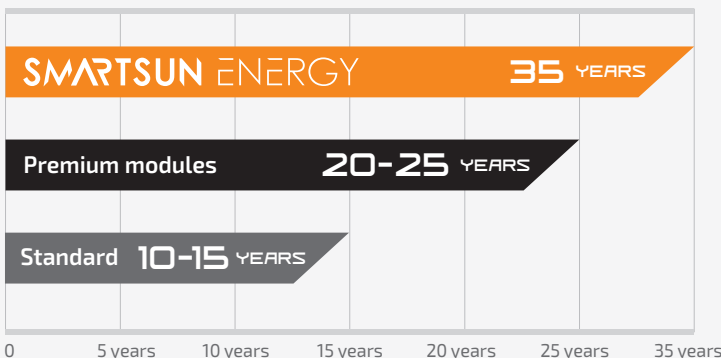
**INNOVATIVE PHOTOVOLTAIC TOPCON CELLS**  
 TOPCON N-TYPE cells feature an additional, ultra-thin silicon layer and even higher efficiency

**EXCELLENT PERFORMANCE IN UNFAVORABLE WEATHER CONDITIONS**  
 Outstanding performance under low sunlight and extreme temperature conditions

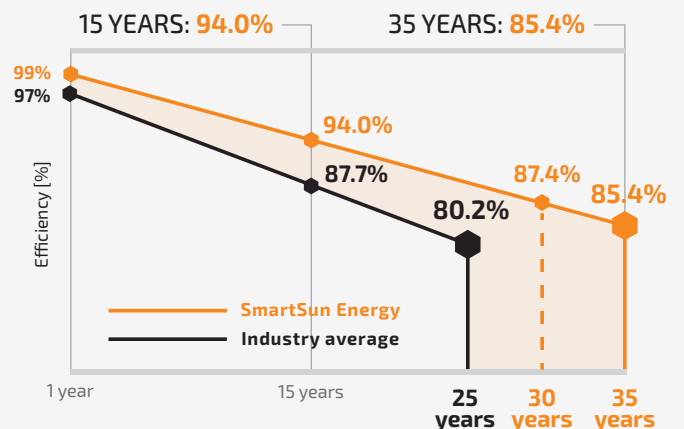
**EXTREME DURABILITY**  
 Hurricane wind resistance (2400 Pa) and very high snow loads (5400 Pa)

**TÜV SÜD CERTIFIED RESISTANCE**  
 TÜV SÜD certificates confirming salt mist and ammonia resistance as well as PID

PRODUCT WARRANTY: **35 YEARS**  
 SMARTSUN ENERGY VS OTHER MODULES:



LINEAR POWER WARRANTY:



## PRODUCT SPECIFICATION (STC)

MODULE CODE: SSPXXS9-132NT

	695 W	700 W	705 W	710 W	715 W
Maximum power	695 W	700 W	705 W	710 W	715 W
Maximum power voltage	42.00 V	42.20 V	42.40 V	42.60 V	42.80 V
Maximum power current	16.55 A	16.59 A	16.63 A	16.67 A	16.71 A
Open circuit voltage	50.00 V	50.20 V	50.40 V	50.60 V	50.80 V
Short circuit current	17.39 A	17.43 A	17.47 A	17.51 A	17.55 A
Module efficiency	22.37 %	22.53 %	22.70 %	22.86 %	23.02 %
Maximum system voltage	DC 1500 V (TÜV) / DC 1000 V (TÜV)				
Maximum series fuse rating	35 A				

Electrical parameters at standard test conditions (STC: AM=1,5; 1000 W/m<sup>2</sup>; Cells temperature: 25°C)

## PRODUCT SPECIFICATION (NMOT)

	522 W	526 W	530 W	534 W	538 W
Maximum power	522 W	526 W	530 W	534 W	538 W
Maximum power voltage	39.00 V	39.20 V	39.40 V	39.60 V	39.80 V
Maximum power current	13.39 A	13.42 A	13.46 A	13.49 A	13.52 A
Open circuit voltage	47.00 V	47.20 V	47.40 V	47.60 V	47.80 V
Short circuit current	14.09 A	14.12 A	14.15 A	14.18 A	14.21 A

Electrical parameters at standard test conditions (STC: AM=1,5; 800 W/m<sup>2</sup>; Cells temperature: 20°C, Wind speed: 1 m/s)

## MECHANICAL DATA

Dimensions	2384 x 1303 x 35 mm
Weight	34.0 kg
Glass	Single glass; 3.2 mm tempered with AR Coating
Output cables	Length: 2 x 140 cm Section: 4 mm <sup>2</sup>
Connectors	MC4 compatible, IP68
Cell type	N-Type; Monocrystalline; Half-Cell (16 BB) 105.00 x 210.00 mm
Number of cells	132 cells
Frame corners	Mechanically clamped
Frame	Anodized aluminum
Bypass diodes	3 pcs.

## TEST, CERTIFICATIONS AND WARRANTIES

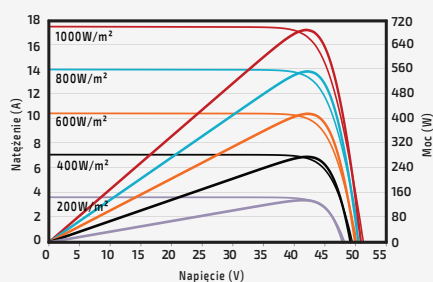
Standard tests	IEC 61215, IEC 61730, IEC 61701 IEC 62716, Utility class „A“ Protection class „II“, LID < 0.5% PPP 58042B
Fire resistance	Class „C“
System certs	ISO 9001, ISO 14001, ISO 45001
Certifications	TÜV SÜD, CE, WEEE
Extreme wind and snow loads testing	Wind: 2400 Pa Snow: 5400 Pa
Power tolerance	from 0 to +5W
Junction box	IP68
Warranties	35 years product warranty 35 years power warranty (85.4%)

## PACKING CONFIGURATION

Container	40'HQ	Pieces per pallet	31
Pallets per container	18	Pieces per container	558

## TEMPERATURE CHARACTERISTICS

$I_{SC}(T_K I_{SC})$	0.045 %/°C	$V_{OC}(T_K V_{OC})$	-0.25 %/°C
$P_{MPP}(T_K P_{MPP})$	-0.30 %/°C	NMOT	+43 ± 2°C
Operating temperature	from -40 to +85°C		



## DIMENSIONS AND STRUCTURE (MM)

