

132 CELLS

700-730 Wp

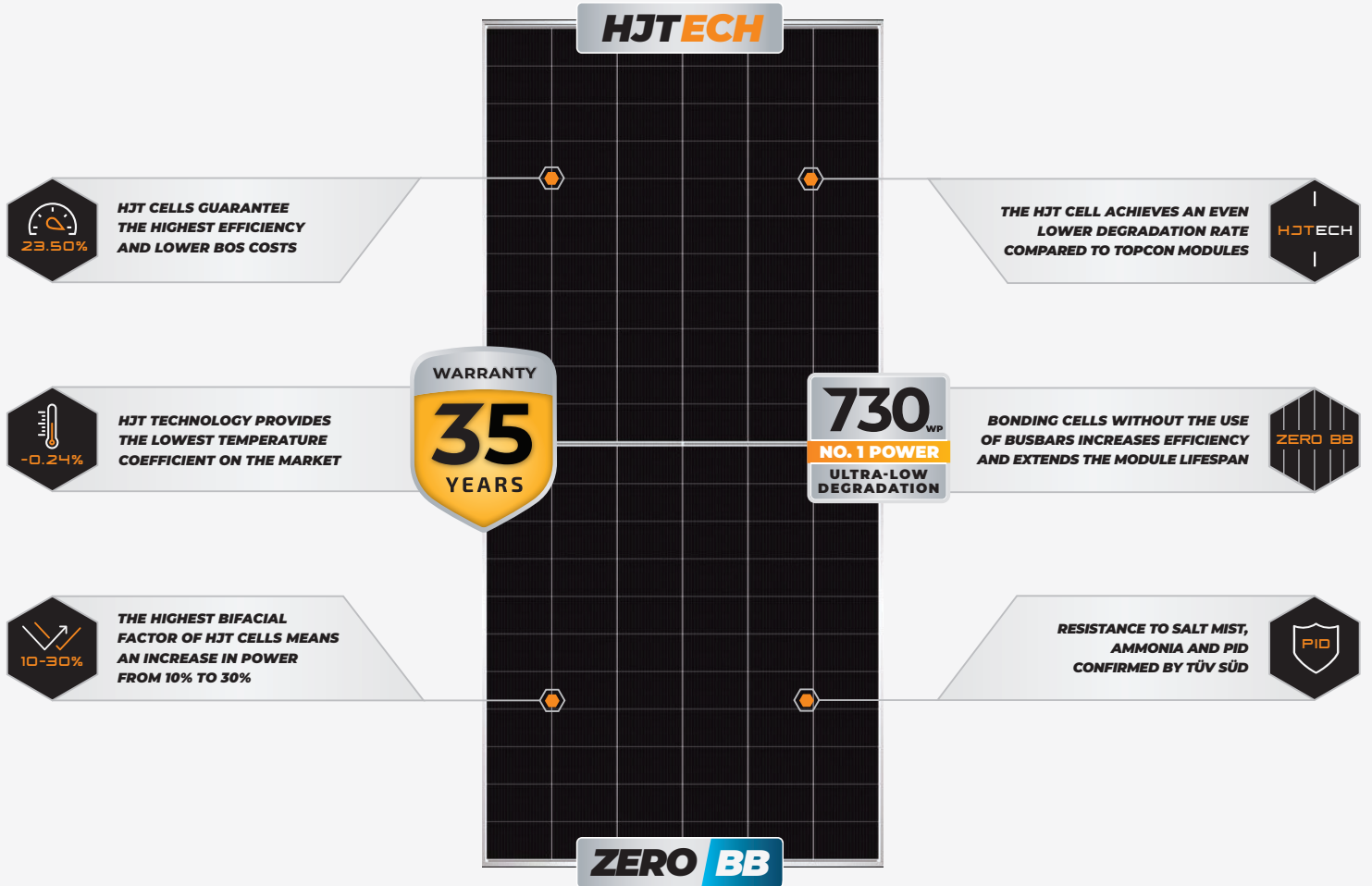
210.00 MM

MODULE CODE: SSPXXXS9-132NT

INSURANCE BY
CHUBB

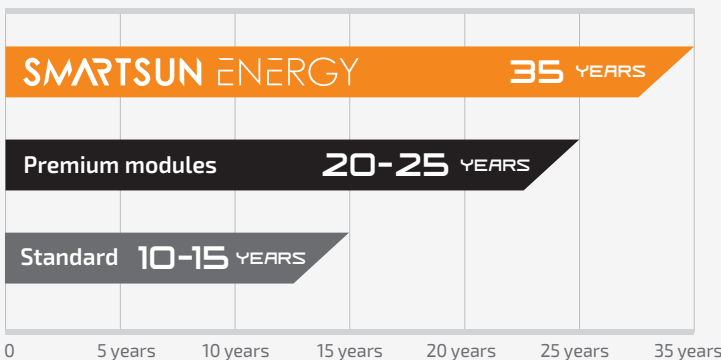


CE

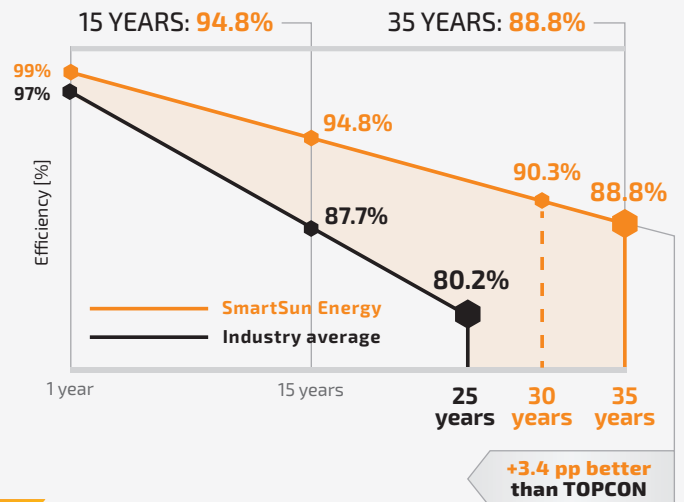


PRODUCT WARRANTY: **35 YEARS**

SMARTSUN ENERGY VS OTHER MODULES:



LINEAR POWER WARRANTY:



PRODUCT SPECIFICATION (STC)

MODULE CODE: SSP_{xxx}S9-132NT

		700 W	705 W	710 W	715 W	720 W	725 W	730 W
Maximum power	P_{MPP}	700 W	705 W	710 W	715 W	720 W	725 W	730 W
Maximum power voltage	V_{MPP}	41.78 V	41.85 V	41.92 V	41.99 V	42.06 V	42.13 V	42.22 V
Maximum power current	I_{MPP}	16.77 A	16.85 A	16.93 A	17.02 A	17.11 A	17.20 A	17.29 A
Open circuit voltage	V_{OC}	49.83 V	49.92 V	50.01 V	50.10 V	50.19 V	50.28 V	50.37 V
Short circuit current	I_{SC}	17.82 A	17.90 A	17.98 A	18.06 A	18.14 A	18.22 A	18.30 A
Module efficiency	η	22.50 %	22.60 %	22.80 %	23.00 %	23.10 %	23.30 %	23.50 %
Maximum system voltage	V_{SYS}	DC 1500 V (TÜV) / DC 1000 V (TÜV)						
Maximum series fuse rating	I_{FUSE}	35 A						

Electrical parameters at standard test conditions (STC: AM=1.5; 1000 W/m²; Cells temperature: 25°C)

PRODUCT SPECIFICATION (NMOT)

		534.5 W	538.1 W	541.7 W	545.3 W	548.9 W	552.5 W	556.1 W
Maximum power	P_{MPP}	534.5 W	538.1 W	541.7 W	545.3 W	548.9 W	552.5 W	556.1 W
Maximum power voltage	V_{MPP}	39.07 V	39.14 V	39.21 V	39.28 V	39.35 V	39.42 V	39.49 V
Maximum power current	I_{MPP}	13.68 A	13.75 A	13.82 A	13.89 A	13.96 A	14.03 A	14.10 A
Open circuit voltage	V_{OC}	46.69 V	46.77 V	46.85 V	46.93 V	47.01 V	47.09 V	47.17 V
Short circuit current	I_{SC}	14.61 A	14.67 A	14.73 A	14.79 A	14.85 A	14.91 A	14.97 A

Electrical parameters at standard test conditions (STC: AM=1.5; 800 W/m²; Cells temperature: 20°C, Wind speed: 1 m/s)

REAR SIDE POWER GAIN (730 W)

		+10%	+15%	+20%	+25%	+30%
Power gain		+10%	+15%	+20%	+25%	+30%
Maximum power	P_{MPP}	803 W	840 W	876 W	913 W	949 W
Maximum power voltage	V_{MPP}	42.22 V	42.22 V	42.22 V	42.22 V	42.22 V
Maximum power current	I_{MPP}	19.02 A	19.88 A	20.75 A	21.61 A	22.48 A
Open circuit voltage	V_{OC}	50.37 V	50.37 V	50.37 V	50.37 V	50.37 V
Short circuit current	I_{SC}	20.13 A	21.05 A	21.96 A	22.88 A	23.79 A

MECHANICAL DATA

Dimensions	2384 x 1303 x 35 mm
Weight	38.5 kg
Glass	Double glass; 2.0 mm tempered with AR Coating
Output cables	Length: 2 x 120 or 2 x 150 cm Section: 4 mm ²
Connectors	MC4 compatible, IP68
Cell type	HJT N-Type; Monocrystalline; Half-Cell Zero BB Technology; 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

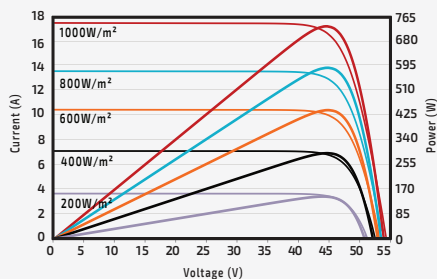
Standard tests	IEC 61215, IEC 61730, IEC 61701 IEC 62716, Utility class „A“ Protection class „II“, 0% PID & LID PPP 58042B
Fire resistance	Class C
System certs	ISO 9001, ISO 14001, ISO 45001
Certifications	TÜV SÜD, CE, WEEE
Extreme wind and snow loads testing	Wind: 2400 Pa Snow: 5400 Pa
Power tolerance	from 0 to +5W
Junction box	IP68
Warranties	35 years product warranty 35 years power warranty (88.8%)

PACKING CONFIGURATION

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

TEMPERATURE CHARACTERISTICS

$I_{SC}(T_K, I_{SC})$	0.047 %/°C	$V_{OC}(T_K, V_{OC})$	-0.22 %/°C
$P_{MPP}(T_K, P_{MPP})$	-0.24 %/°C	NMOT	+43 ± 2°C
Operating temperature	from -40 to +85°C		



DIMENSIONS AND STRUCTURE (MM)

