



Deutsche
Qualität
Garantiert

SOLEERON
POWERING THE FUTURE

N-TYPE TOPCON TECHNOLOGY

SLR-HC-700

680W-700W

More power, less degradation

23.45%

MAXIMUM EFFICIENCY

144 Half Cells



N-TYPE TECHNOLOGY

N-type modules with TOPCon technology offer lower LID/LeTID degradation and better low light performance



LID
RESISTANT



PID
RESISTANT



SALT CORROSION
RESISTANT



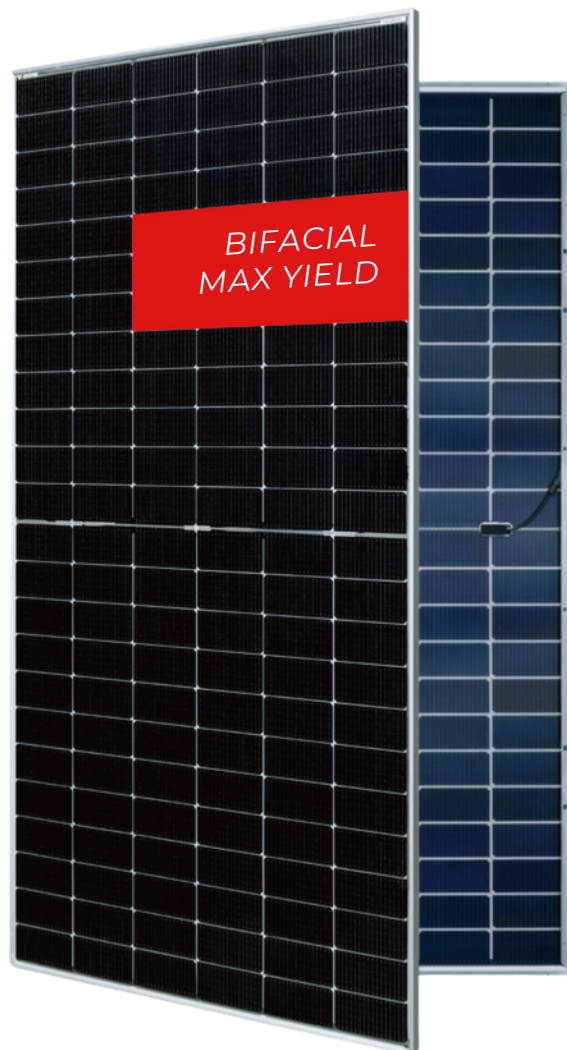
SAND
RESISTANT



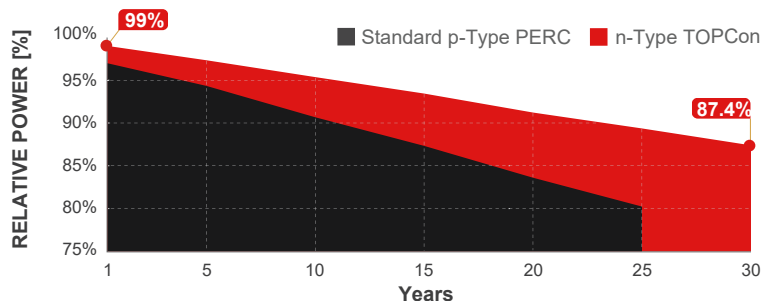
AMMONIA
RESISTANT



HIGHLY STABLE
AND TOUGH



PERFORMANCE WARRANTY

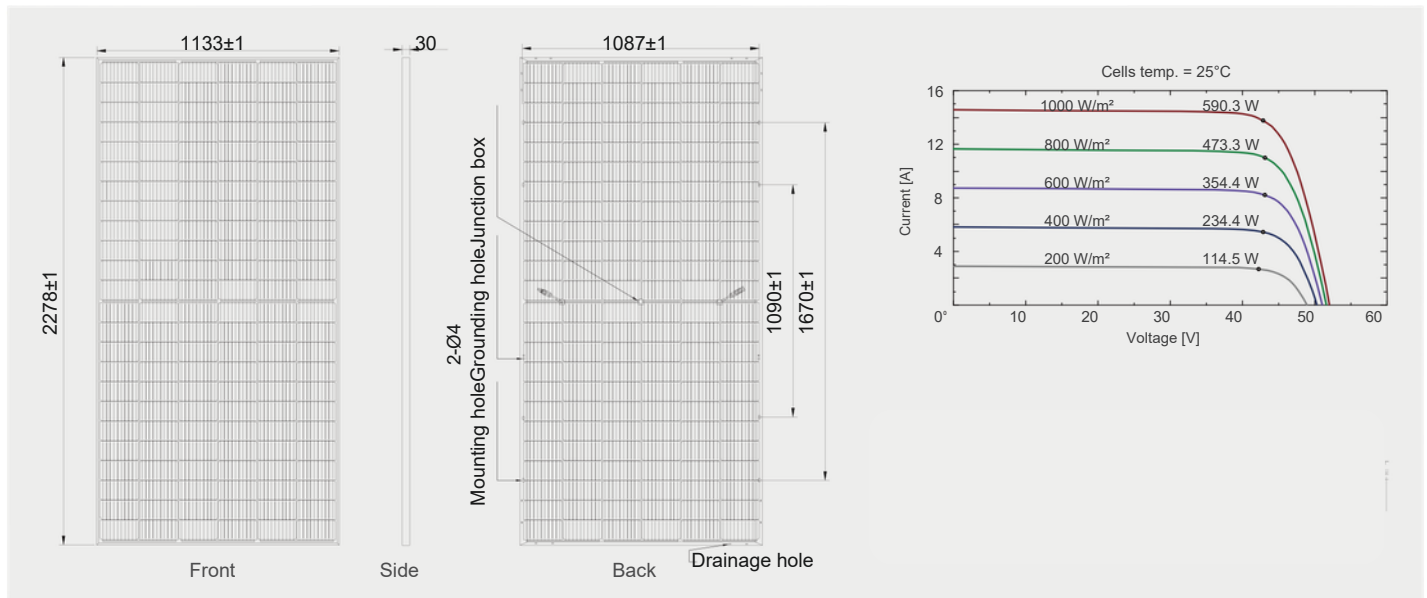


SYSTEM AND PRODUCT CERTIFICATIONS



IEC 61215 IEC 61730
Regular Production Surveillance
www.tuv.com

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**Electrical specifications (STC*):**

Nominal max. Power	P _{max} (Wp)	590	595	600	605	610
Maximum operating voltage	VMPP (V)	43,80	43,96	44,29	44,39	44,51
Maximum operating current	IMPP (A)	13,36	13,43	13,55	13,63	13,71
Open-circuit voltage	Voc (V)	52,52	52,67	53,09	53,13	53,27
Short-circuit current	Isc (A)	14,01	14,08	14,17	14,26	14,34
Module efficiency	η (%)	22,65	22,84	23,23	23,42	23,62
Power tolerance	(W)			0~+5		
Maximum system Voltage	(V)			1500		
Maximum series fuse rating	(A)			30		

*STC: Standard Test Conditions (irradiance 1000 W/m², cell temperature 25°C and air mass of AM1.5), measurement tolerance P_{max}: ±3%

BIFACIAL OUTPUT-REAR SIDE POWER GAIN (NMOT*):

Nominal max. Power %10	P _{max} (Wp)	649	654,50	660	665,50	671
Maximum Power %15	P _{max} (Wp)	678,50	684,30	690	695,80	701,5
Module Efficiency %15	STC (%)	26,27	26,49	26,71	26,93	27,16
Maximum Power %20	P _{max} (Wp)	708	714	720	726	732
Module Efficiency %20	STC (%)	27,41	27,64	27,87	28,10	28,34

*NMOT: Normal Module Operating Temperature (irradiance 800 W/m², ambient temperature 20°C, air mass of AM1.5 and wind speed of 1 m/s)

Mechanical and design specifications

Cell type	n-Type TOPCon technology, half-cut cells
No. of cells	144
Front cover	high transmission, AR coated, tempered glass
Encapsulation	POE
Back cover	white tempered glass or transparent backsheet
Junction box	IP68 rated, 3 bypass diodes
Frame	30 mm anodized aluminium alloy
Cable	1 x 4 mm², 350 mm length or customized
Connectors	MC 4 / MC 4 compatible
Dimension	2278 mm x 1133 mm x 30 mm
Weight	31 kg
Hail resistance	Max. Ø 25 mm at 23 m/s
Wind load	2400 Pa or 244 kg/m²
Snow load	5400 Pa or 550 kg/m²

Temperature ratings

Operating temperature	-40 to +85°C
Temp. coefficient of P _{max}	-0.29 %/°C
Temp. coefficient of V _{oc}	-0.25 %/°C
Temp. coefficient of I _{sc}	0.046 %/°C
Nom. operating cell temp. NOCT	42 ± 2°C

Packaging information

Packaging configuration	36 pcs / pallet
Loading capacity	720 pcs / 40 HQ
Size / Pallet	2310 mm x 1140 mm x 1245 mm
Weight	1160 kg / pallet

The specifications and characteristics contained in this datasheet may deviate slightly from our actual products due to the product developments and uncertainty of measurement devices. The specifications included in the datasheet are subject to change without prior notice.