

LS560-580TC

144 CELLS

MONOCRYSTALLINE MODULE

560-580W

POWER OUTPUT RANGE

22.44%

MAXIMUM EFFICIENCY

0 to $\pm 3\%$

POSITIVE POWER TOLERANCE

DESIGNED IN USA
MADE IN ARMENIA

30 YEAR WARRANTY

Main Characteristics



Mismatch loss reduction for maximum efficiency



Reduced power loss by minimizing the effect of shadow shading



Competitive low light performance



Two EL tests to ensure the best quality

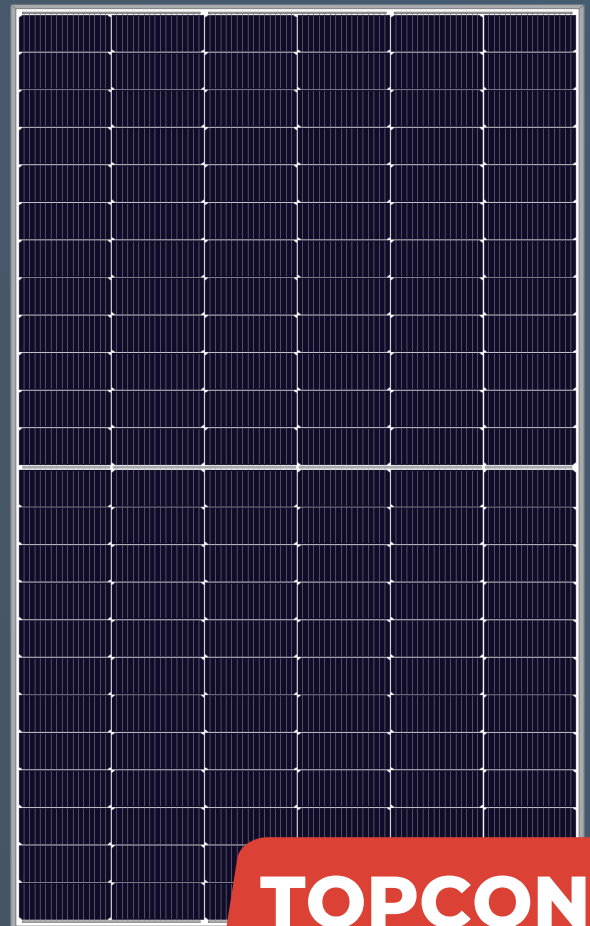


BOS's reduced and increased ROI is ideal for commercial and industrial scale projects

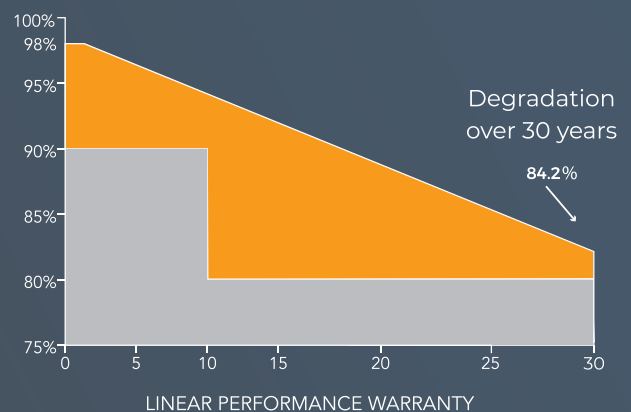


Proven reliability through PVEL's rigorous weatherproofing tests:

- Dust, acid, and alkali resistance, hail test
- 2400Pa wind pressure and 5400Pa snow pressure
- Anti-PID



TOPCON



QUALIFICATIONS AND CERTIFICATES

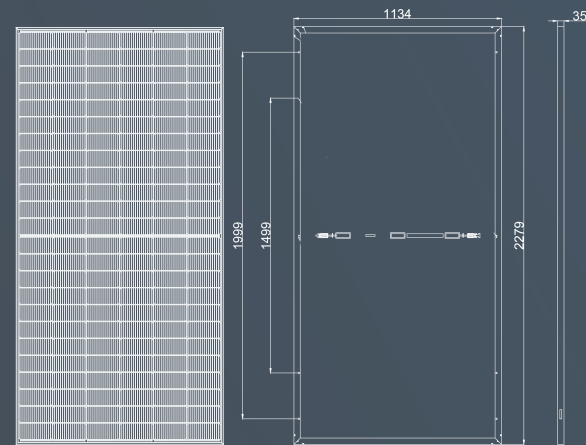


UL/IEC61215, UL/IEC61730
ANTI-PID IEC TS 62804-1:2015
ISO9001, ISO14001, ISO45001



Electrical Characteristics

Component Model	LS580TC	LS580TC	LS580TC	LS580TC	LS580TC
	STC	STC	STC	STC	STC
Maximum Power (Pmax)	560W	565W	570W	575W	580W
Module Efficiency	21.75%	21.86%	22.06%	22.25%	22.44%
Open Circuit Voltage (Voc)	50.46V	50.60V	50.74V	50.88V	51.02V
Short Circuit Current (Isc)	14.15A	14.23A	14.31A	14.39A	14.47A
Maximum Power Voltage (Vmp)	41.77V	41.92V	42.07V	42.22V	42.37V
Maximum Power Current (Imp)	13.41A	13.48A	13.55A	13.62A	13.69A
Power Tolerance	0, ±3%	0, ±3%	0, ±3%	0, ±3%	0, ±3%
Maximum System Voltage	1500V	1500V	1500V	1500V	1500V
Maximum Rated Fuse Current	25A	25A	25A	25A	25A
STC: Irradiance	1000 W/m ²	1000 W/m ²	1000 W/m ²	1000 W/m ²	1000 W/m ²
Module Temperature	25 °C	25 °C	25 °C	25 °C	25 °C

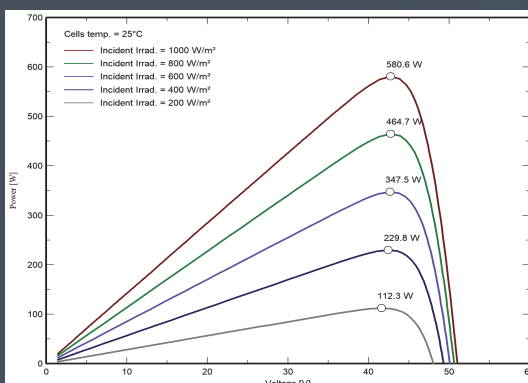
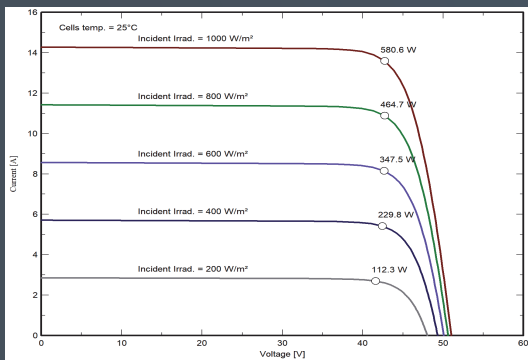


Temperature Characteristics

Maximum Power Temperature Coefficient (TC Pmax)	-0.30 % / °C
Temperature Coefficient of Open Circuit Voltage (TC Voc)	-0.25 % / °C
Temperature Coefficient of Short Circuit Current (TC Isc)	0.046 % / °C
Working Temperature	-40 ~ +85 °C
Nominal Operating Cell Temperature (NOCT)	45 ± 2 °C

Structural Characteristics

Module Size	89.72 x 44.65 x 1.38 in
Weight	57.32 lbs
Cell type	Single Crystal N-Topcon 7.17 x 3.58 in (144 pieces)
Glass	0.13in tempered Ar coated
Frame	Black anodized aluminum alloy
Junction Box	IP68, 3 diodes
Mechanical Load	front 5400Pa / back 2400Pa



Packing Method

Container	40' HQ
Quantity Per Pallet	31
Number of Pallets Per Container	20
Quantity Per Container	620