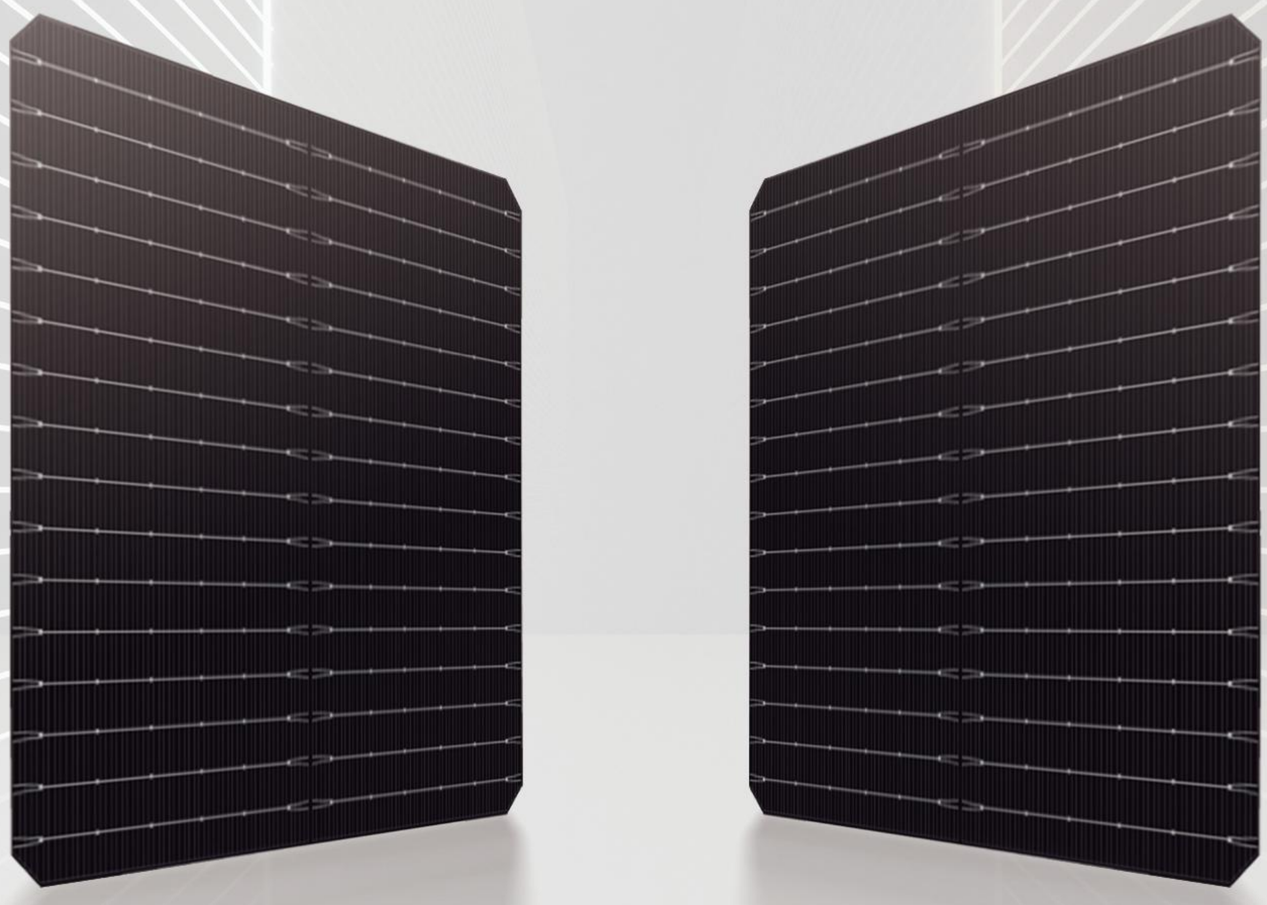
SANY
SILICON ENERGY

SYCN210LT18BB

N-TOPCon



Highlight

High efficiency:
Eff≥26.5%; Bifaciality≥80%

N-type wafer:
Low degradation ,no LID

Low temperature coefficient:
TkPower-0.29%/℃

Low CTM loss:
More suitable for high module power

PID and UVID resistance:
Excellent PID and UVID Resistance Performance

Excellent performanc at low intensity:
Relative conversity efficency ≥97% at 200W/m²

Characteristic:

Model: SYCN210LT18BB Dimension: 210mm×182.2mm±0.25mm ϕ272mm±0.35mm

Thickness: 130±15μm Front: 18BB Rear: 18BB

TÜVRheinland®
Precisely Right.

CE

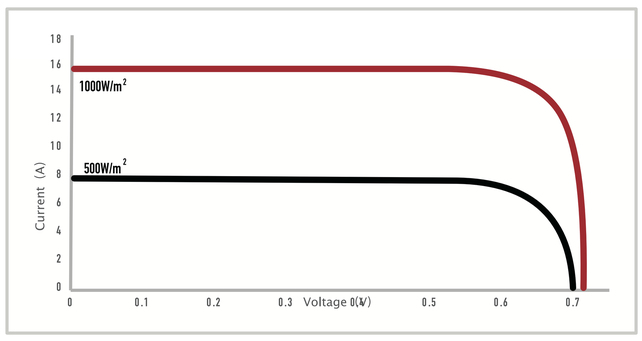
The TUV certificate holder is Sany Silicon Energy (Zhuzhou) Co., Ltd.
Made in China
Version: SYMN202311 Specifications included in this manual are subject to change without notice.

TOPCon solar cell

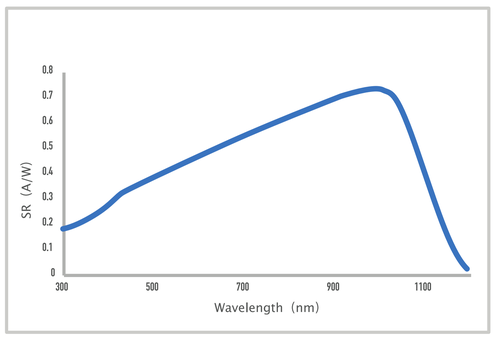
Temperature Coefficients

TkCurrent (%/℃)	+0.045
TkVoltage (%/ ℃)	−0.25
TkPower (%/ ℃)	−0.29

IV–Curve

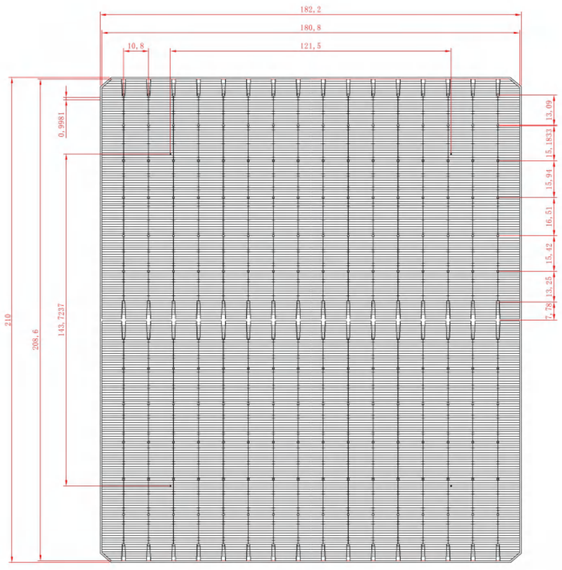


Spectral Response

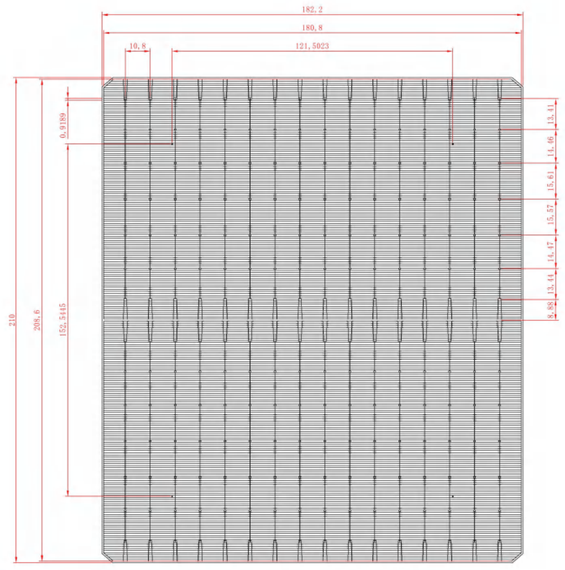


Product Features

Dimension	210mm×182.2mm±0.25mm ϕ272mm±0.35mm
Cell Thickness	130±15μm
Front side(+)	Silicon nitride coating 0.018mm wide busbars, 18 busbars and 184 finger
Backside(−)	Silicon nitride coating 0.018mm wide busbars, 18 busbars and 186 finger



Front side



Rear side

Electrical Characteristics

Eff(%)	Pmpp(W)	Impp(A)	Vmpp(V)	Voc(V)	Isc(A)	FF(%)
26.5	10.12	15.145	0.6680	0.7328	15.967	86.60
26.4	10.08	15.163	0.6650	0.7316	15.958	86.46
26.3	10.04	15.113	0.6643	0.7305	15.962	86.24
26.2	10.01	15.145	0.6607	0.7300	15.958	86.00
26.1	9.96	15.123	0.6588	0.7289	15.951	85.83
26	9.93	15.060	0.6593	0.7280	15.943	85.66
25.9	9.90	15.066	0.6569	0.7273	15.951	85.36
25.8	9.85	15.042	0.6550	0.7270	15.950	85.07
25.7	9.82	15.023	0.6537	0.7263	15.939	84.89
25.6	9.80	15.043	0.6513	0.7250	15.940	84.70
25.5	9.75	14.978	0.6512	0.7249	15.941	84.37
25.4	9.71	15.023	0.6464	0.7252	15.954	83.95
25.3	9.67	14.957	0.6463	0.7246	15.938	83.77
25.2	9.64	15.039	0.6413	0.7225	15.935	83.70
25.1	9.59	14.981	0.6401	0.7235	15.927	83.29
25	9.58	15.015	0.6380	0.7217	15.923	83.19
24.9	9.52	14.998	0.6350	0.7200	15.913	83.10
24.8	9.49	15.003	0.6326	0.7198	15.898	82.87

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