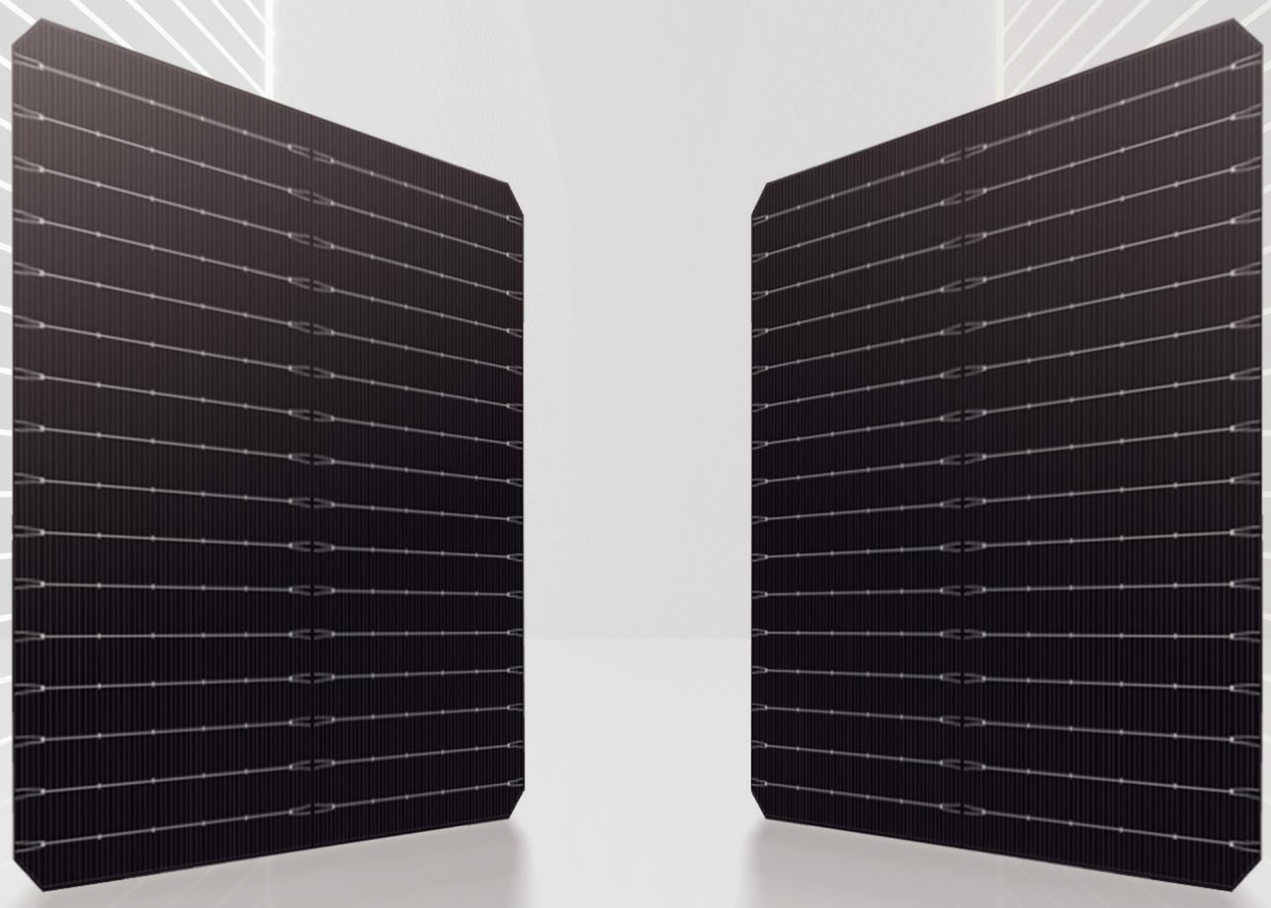
SANY
SILICON ENERGY

SYCN210RT16BB

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/m^2

Characteristic:

Model: SYCN210RT16BB Dimension: 182.2mm×210mm±0.25mm ϕ272mm±0.35mm

Thickness: 130±15μm Front: 16BB Rear: 16BB

TÜVRheinland®
Precisely Right.

CE

The TUV certificate holder is Sany Silicon Energy (Zhuzhou) Co., Ltd.

Made in China

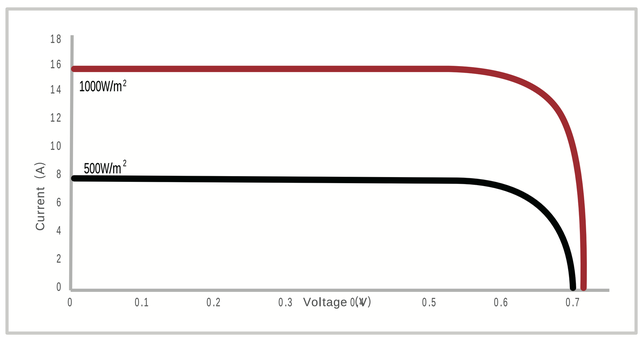
Version: SYMN202311 Specifications included in this manual are subject to change without notice.

TOPCon solar cell

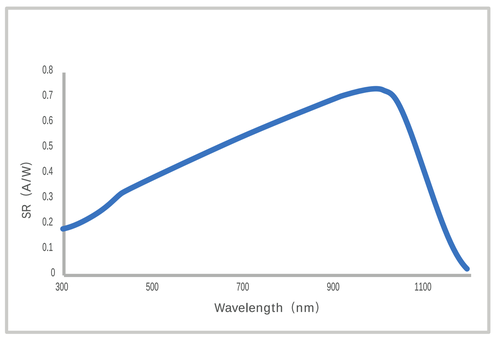
Temperature Coefficients

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

IV–Curve

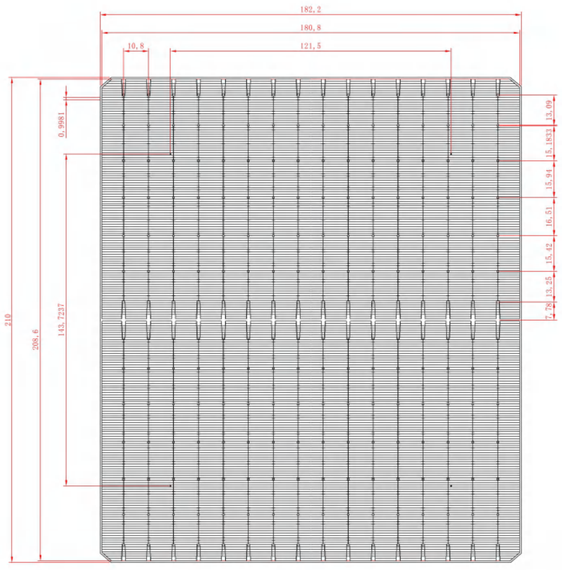


Spectral Response

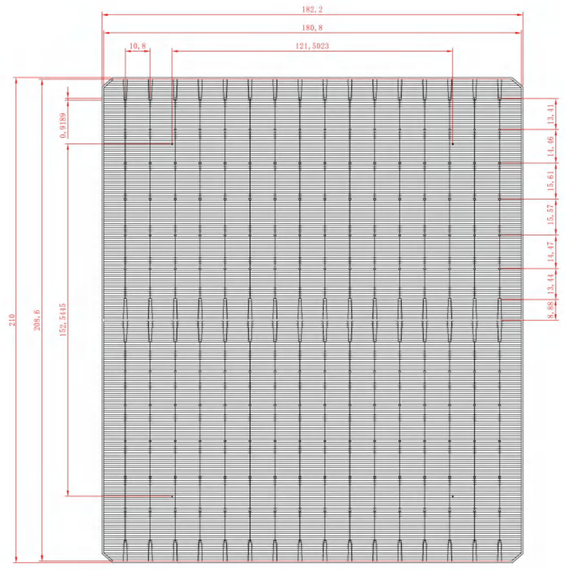


Product Features

Dimension	182.2mm×210mm±0.25mm ϕ272mm±0.35mm
Cell Thickness	130±15μm
Front side(+)	Silicon nitride coating 0.018mm wide busbars, 16 busbars and 210 finger
Backside(−)	Silicon nitride coating 0.018mm wide busbars, 16 busbars and 228 finger



Front side



Rear side

Electrical Characteristics

Eff(%)	Pmpp(W)	Impp(A)	Vmpp(V)	Voc(V)	Isc(A)	FF(%)
26.5	10.13	15.18	0.6675	0.7325	15.917	86.88
26.4	10.09	15.19	0.6645	0.7315	15.908	86.74
26.3	10.05	15.14	0.6638	0.7300	15.912	86.52
26.2	10.01	15.17	0.6602	0.7297	15.908	86.28
26.1	9.98	15.16	0.6583	0.7289	15.901	86.10
26.0	9.94	15.09	0.6588	0.7279	15.893	85.93
25.9	9.90	15.08	0.6564	0.7270	15.901	85.63
25.8	9.86	15.07	0.6545	0.7269	15.900	85.34
25.7	9.82	15.04	0.6532	0.7260	15.889	85.16
25.6	9.79	15.04	0.6508	0.7249	15.890	84.97
25.5	9.75	14.98	0.6507	0.7247	15.891	84.64
25.4	9.71	15.03	0.6459	0.7248	15.904	84.22
25.3	9.67	14.97	0.6458	0.7240	15.888	84.04
25.2	9.63	15.03	0.6408	0.7221	15.885	83.97
25.1	9.59	15.00	0.6396	0.7232	15.877	83.56
25	9.56	14.99	0.6375	0.7213	15.873	83.46
24.9	9.52	15.00	0.6345	0.7197	15.863	83.37
24.8	9.48	15.00	0.6321	0.7196	15.848	83.14

SANY® SANY SILICON ENERGY

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