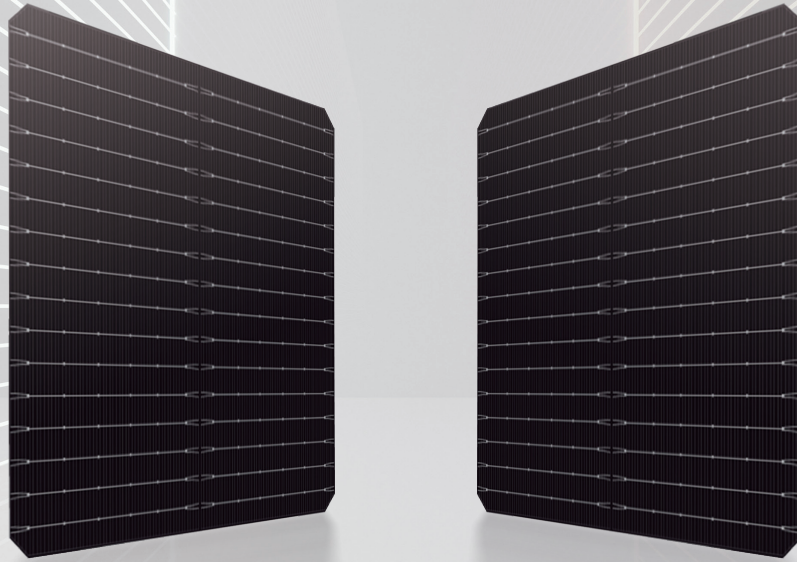


SYCN191T1638

N-TOPCon



Highlight



High efficiency:
Eff \geq 26%; Bifaciality \geq 80%



N-type wafer:
Low degradation; no LID



Low temperature coefficient:
TkPower \geq -0.29%/C



Low CTM loss:
More suitable for high module power



PID Resistance
Excellent anti-PID performance



Excellent performance at low intensity
Relative conversy efficiency \geq 97% at 200W/m²

Characteristic:

Model: SYCN191T1638 Dimension: 191.6 \times 182.2 \pm 0.25mm, Φ 256 \pm 0.35mm

Thickness: 130 \pm 15 μ m Front: 16BB Rear: 16BB



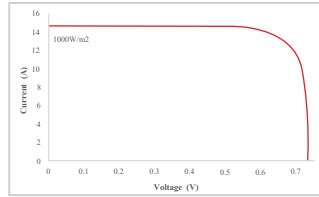
The TUV certificate holder is Sany Silicon Energy (Zhuzhou) Co., Ltd.
Made in China

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

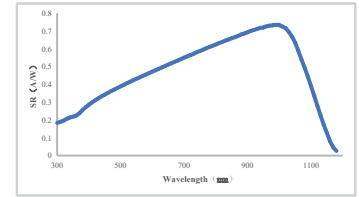
Temperature Coefficients

TkCurrent (%/°C)	+0.046
TkVoltage (%/°C)	-0.26
TkPower (%/°C)	-0.29

IV-Curve

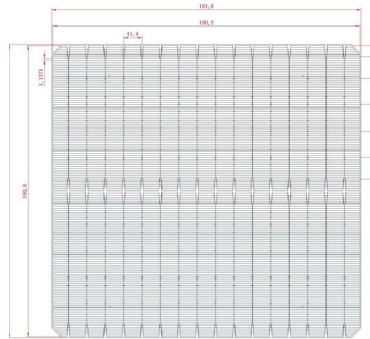


Spectral Response



Product Features

Dimension	191.6×182.2±0.25mm, Φ256±0.35mm
Cell Thickness	130±15μm
Front side(+)	Silicon nitride coating, 0.018mm wide busbars, 16 busbars and 160 finger
Back side(-)	Silicon nitride coating 0.018mm wide busbars, 16 busbars and 190 finger



Front side



Rear side

Electrical Characteristics

Eff(%)	Pmpp(W)	Impp(A)	Vmpp(V)	Voc(V)	Isc(A)	FF(%)
26.5	9.22	13.835	0.6666	0.7313	14.569	86.56
26.4	9.19	13.845	0.6636	0.7301	14.561	86.42
26.3	9.15	13.806	0.6629	0.7290	14.565	86.20
26.2	9.12	13.829	0.6593	0.7284	14.561	85.96
26.1	9.08	13.818	0.6574	0.7274	14.555	85.79
26.0	9.05	13.752	0.6581	0.7266	14.547	85.62
25.9	9.02	13.748	0.6559	0.7262	14.555	85.32
25.8	8.98	13.735	0.6539	0.7258	14.554	85.03
25.7	8.95	13.711	0.6531	0.7256	14.544	84.85
25.6	8.93	13.707	0.6515	0.7252	14.545	84.66
25.5	8.89	13.654	0.6510	0.7247	14.546	84.33
25.4	8.85	13.703	0.6455	0.7242	14.557	83.91
25.3	8.81	13.652	0.6455	0.7237	14.543	83.73
25.2	8.79	13.704	0.6418	0.7230	14.540	83.66
25.1	8.74	13.674	0.6395	0.7228	14.533	83.25
25.0	8.73	13.666	0.6387	0.7225	14.529	83.15
24.9	8.68	13.674	0.6349	0.7199	14.520	83.06
24.8	8.65	13.671	0.6325	0.7197	14.506	82.83

