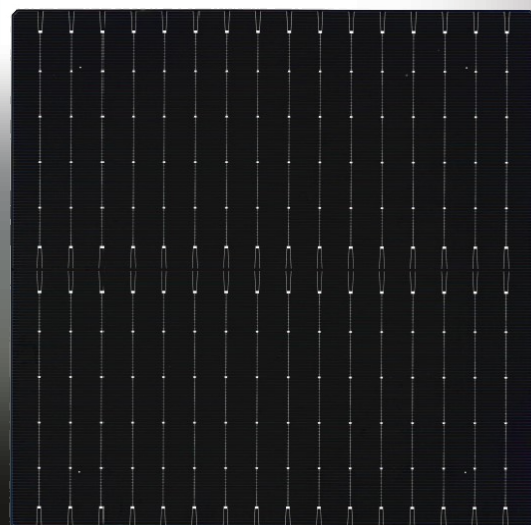


TOPCon Series

Mono Crystalline Solar Cell (Bifacial - TOPCon25)



- Ultra-Efficient solar cells with an anisotropically etched surface
- Silicon nitride anti-reflection coating
- N-type cells with tunnel oxide passivated contact technology

Physical Characteristics

Dimension	182.2mm x 183.75 mm $\pm$ 0.5 mm
Cell's Thickness (si)	130 μ m $\pm$ 30 μ m
Front Side (+)	Silicon nitride anti-reflection coating 1.2 mm / 0.8 mm $\pm$ 0.2 mm silver pads
Back Side (-)	Silicon nitride anti-reflection coating 1.2 mm / 1.0 mm $\pm$ 0.2 mm silver pads

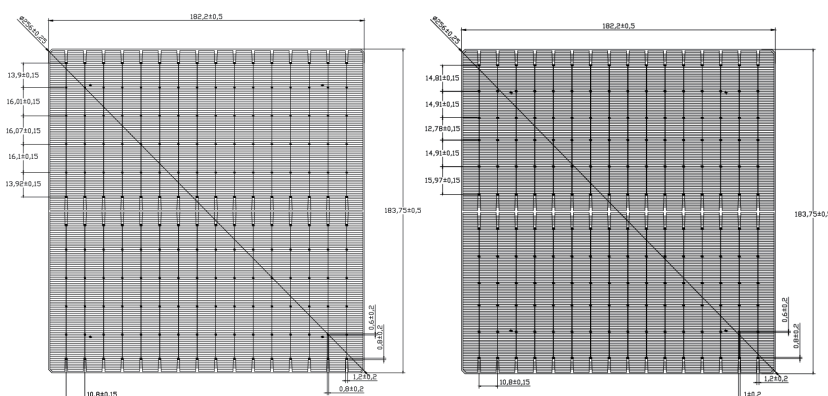
Performance and Quality

- Proper handling from incoming inspection through production, outgoing inspection and packaging
- 100% checked for reverse current and visual appearance
- Calibrated against Fraunhofer ISE
- RoHS compliance
- **Exceptional PID Resistance**

Packaging

- Minimize the risk of broken cells with special design
- Label with product information

Cell Layout



Mono Crystalline Solar Cell (Bifacial - TOPCon)

NSEZC Ultra-Efficient



Electrical Characteristics

Class	Efficiency Range (%)	Rated Power (Wp)	*Maximum Power Current (A)	*Short Circuit Current (A)	*Maximum Power Voltage (V)	*Open Circuit Voltage (V)
240	24.0-24.2	8.033	13.041	13.895	0.616	0.704
242	24.2-24.4	8.100	13.064	13.920	0.620	0.708
244	24.4-24.6	8.167	13.067	13.937	0.625	0.713
246	24.6-24.7	8.234	13.071	13.938	0.630	0.718
247	24.7-24.8	8.268	13.073	13.940	0.633	0.722
248	24.8-24.9	8.301	13.075	13.944	0.635	0.726
249	24.9-25.0	8.335	13.077	13.954	0.637	0.728
250	25.0-25.1	8.368	13.079	13.958	0.640	0.729
251	25.1-25.2	8.401	13.081	13.962	0.642	0.730
252	25.2-25.3	8.435	13.086	13.969	0.645	0.730

Test condition : 1000 W / m², AM 1.5, 25°C Power measuring tolerance: ± 1.5% rel.

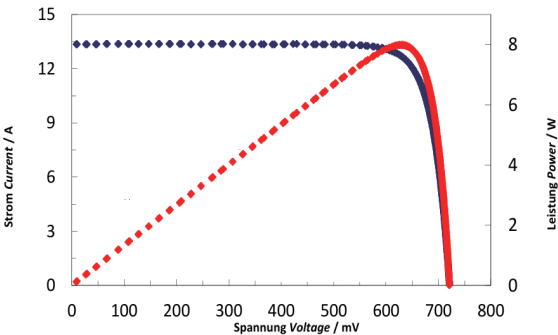
Temperature coefficients

Current (%/K)	0.045
Voltage (%/K)	-0.26
Power (%/K)	-0.29

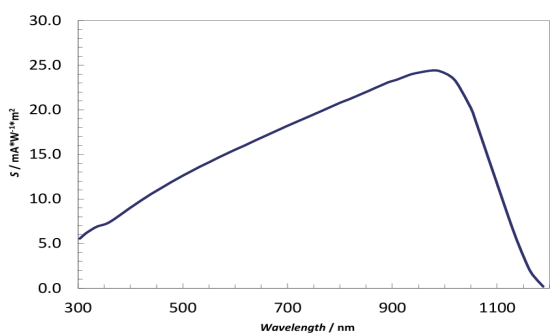
Light Intensity Dependence

Intensity [W/m ²]	Vmpp	Ippp
1000	1.000	1.000
900	0.998	0.901
500	0.982	0.500
300	0.966	0.299
200	0.950	0.199

IV-Curve



Spectral Response



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*The datasheet is for informational purposes only and subject to change without prior notice.