

TZ-182N Silicon Solar Cell

Product Features

Model	M182GBTCONBP
Dimension	182.2mm*182.2mm±0.5mm, Φ247mm±0.5mm
Thickness	130±20μm
Front	16 busbars, 192 fingers
Back	16 busbars, 200 fingers

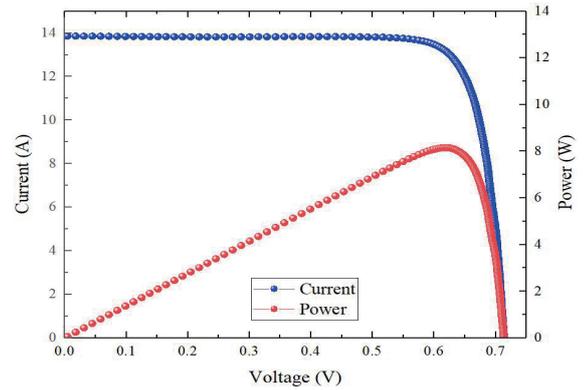
Technical Data

-0.255±0.010 TkVoltage(%/K)	0.041±0.004 TkCurrent(%/K)	-0.305±0.025 TkPower(%/K)
≥50Ω Rsh	≤0.5A Irev2	

Electrical Performance Parameters

Code	Eff (%)	Pmpp (W)	Vmpp (V)	Ipp (A)	Voc (V)	Isc (A)	FF (%)
182N-257	25.70	8.49	0.635	13.371	0.722	13.929	84.42
182N-256	25.60	8.45	0.633	13.343	0.721	13.909	84.28
182N-255	25.50	8.42	0.633	13.305	0.720	13.893	84.15
182N-254	25.40	8.39	0.632	13.271	0.719	13.867	84.06
182N-253	25.30	8.35	0.631	13.241	0.719	13.843	83.96
182N-252	25.20	8.32	0.630	13.208	0.718	13.814	83.88
182N-251	25.10	8.29	0.629	13.177	0.717	13.793	83.77
182N-250	25.00	8.25	0.628	13.144	0.716	13.779	83.61
182N-249	24.90	8.22	0.628	13.091	0.716	13.755	83.49
182N-248	24.80	8.19	0.627	13.056	0.714	13.743	83.42
182N-247	24.70	8.16	0.626	13.023	0.713	13.732	83.35
182N-246	24.60	8.12	0.625	12.995	0.711	13.721	83.26
182N-245	24.50	8.09	0.623	12.984	0.709	13.713	83.18

IV Curve



Back Electrical Performance Parameters

Code	Eff (%)	Pmpp (W)	Vmpp (V)	Ipp (A)	Voc (V)	Isc (A)	FF (%)
182N-205	>20.5	6.77	0.588	11.511	0.693	12.822	76.17
182N-203	20.3-20.5	6.70	0.586	11.450	0.692	12.734	76.14
182N-201	20.1-20.3	6.64	0.584	11.370	0.690	12.645	76.10
182N-200	<20.1	6.60	0.582	11.340	0.689	12.625	75.87

Light Intensity Dependence

Intensity(W/m²)	Voc	Isc
1000	1.000	1.000
900	0.998	0.900
800	0.991	0.800
600	0.977	0.600
400	0.969	0.400

* STC(Standard Testing Conditions): 1000W/m2, AM1.5, 25°C
 Technical parameters above-mentioned subjects to technical changes and tests.
 TANZOL SOLAR reserves the right of final interpretation.

Product Appearance

