

Cell

N-TOPCon

182-16BB



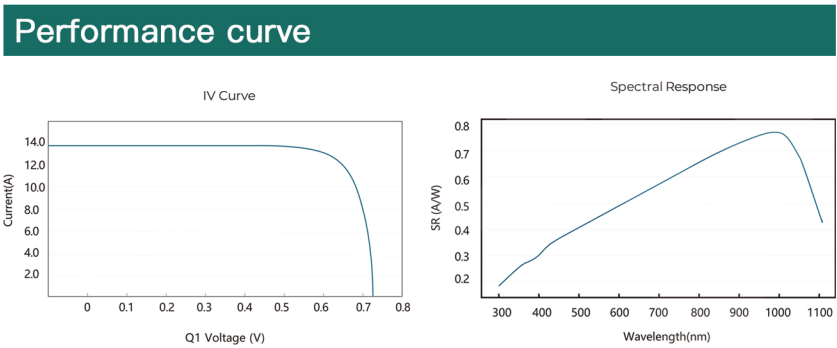
TOP PV TECH,
DRIVING ONWARD FOR GREEN ENERGY

Monocrystalline Silicon Cell Specification

N-TOPCon-182-16BB-Grade A

Mechanical Characteristics	
Model	182mono-crystalline Bifacial solar cell
Dimension	182.2mm×182.2±0.5mm, Φ247mm±0.5mm
Thickness	130μm±13μm
Front	16busbars,12pads,160fingers,busbar width 0.036mm±0.02mm
Back	16busbars,12pads,200fingers,busbar width 0.036mm±0.02mm

Temperature coefficient		
0.045%/K	-0.30%/K	-0.25%/K
TkCurrent	TkPower	TkVoltage



Front Efficiency						
Eff(%)	Pmpp(W)	Vmpp (V)	Ippp(A)	Voc(v)	Isc(A)	Fill factor(%)
25.5	8.42	0.645	13.06	0.729	13.78	83.83
25.4	8.39	0.643	13.04	0.728	13.78	83.6
25.3	8.35	0.641	13.04	0.728	13.76	83.45
25.2	8.32	0.639	13.02	0.727	13.75	83.21
25.1	8.29	0.637	13.01	0.726	13.75	82.99
25	8.25	0.635	13	0.725	13.75	82.76
24.9	8.22	0.633	12.98	0.725	13.75	82.5
24.8	8.19	0.631	12.97	0.725	13.74	82.22
24.7	8.15	0.63	12.95	0.724	13.74	81.94
24.6	8.12	0.628	12.94	0.724	13.74	81.71
24.5	8.09	0.625	12.93	0.723	13.73	81.56
24.4	8.06	0.625	12.9	0.722	13.72	81.25
24.3	8.02	0.622	12.9	0.722	13.72	81.02
24	7.92	0.617	12.85	0.72	13.7	80.29

