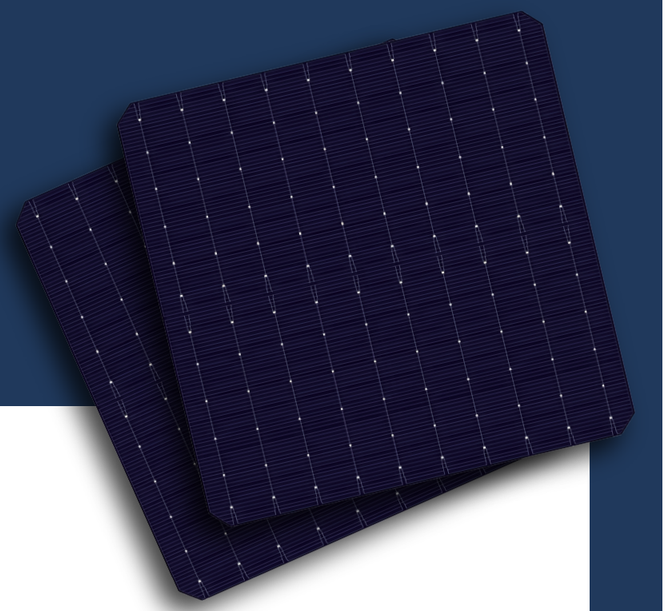
Abner Solar

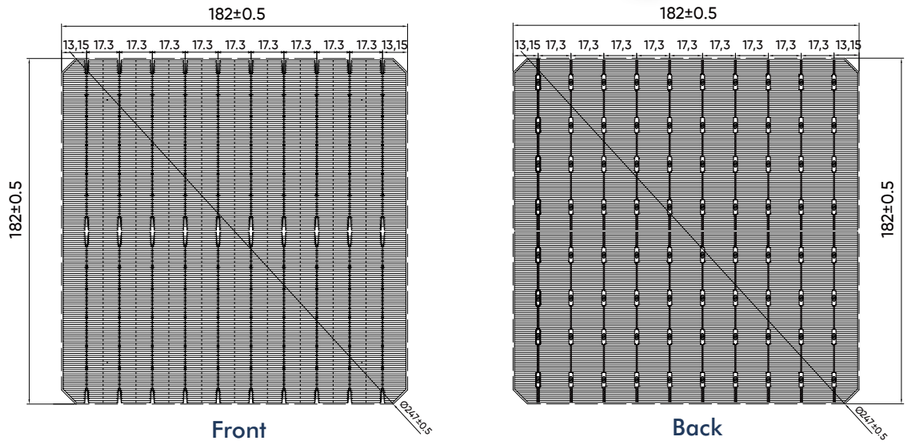
Mono PERC

182 Bifacial 10BB Solar Cell



SF-PM182BP10

◆ PRODUCT APPEARANCE



TECHNICAL DATA AND DESIGN

Cell Model	SF-PM182BP10
Size	182mm*182mm±0.5mm Φ247mm±0.5mm
Front	10 roots BusBar(Ag) Blue silicon nitride antireflection coating
Rear	10 roots Rear BusBar(Ag) Aluminum oxide(Passivation layer) Silicon nitride antireflection coating

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◆ FRONTAL ELECTRICAL PERFORMANCE PARAMETERS

Eff (%)	Pmpp (W)	Vmpp (V)	Impp (A)	Voc (V)	Isc (A)	FF (%)
23.50	7.76	0.602	12.895	0.691	13.709	81.95
23.40	7.73	0.601	12.865	0.690	13.689	81.86
23.30	7.69	0.599	12.843	0.689	13.654	81.77
23.20	7.66	0.598	12.808	0.688	13.623	81.72
23.10	7.63	0.597	12.774	0.687	13.592	81.67
23.00	7.59	0.596	12.741	0.686	13.563	81.61
22.90	7.56	0.595	12.706	0.685	13.534	81.55
22.80	7.53	0.594	12.672	0.684	13.503	81.50
22.70	7.49	0.593	12.638	0.683	13.478	81.41
22.60	7.46	0.592	12.604	0.682	13.453	81.33
22.50	7.43	0.591	12.569	0.681	13.428	81.23
22.40	7.40	0.590	12.534	0.680	13.403	81.14
22.30	7.36	0.589	12.500	0.679	13.381	81.03
22.20	7.33	0.588	12.465	0.678	13.359	80.92
22.10	7.30	0.587	12.430	0.676	13.336	80.94

- Standard test conditions: 1000W/m², AM1.5, 25°C. The above technical parameters are subject to technical changes and tests. ABNER SOLAR reserves the right of final interpretation.

◆ TEMPERATURE COEFFICIENTS

TkVoltage	-0.36%/K
TkCurrent	+0.07%/K
TkPower	-0.38%/K

◆ CTM

Lower cell to module
(CTM) power loss: ⩽3%

◆ ANTI-PID

Potential Induced Degradation
(-1500V, 192h): ⩽5%

◆ PACKAGING & STORAGE

Solar cells are closely packed with soft sponge around and heat shrink is used around the box unit.
Outer packing box must have shock buffer, to be suitable for long-distance delivery.
After packaging, cells should be stored indoors in the conditions of good ventilation, dry, humidity below 60%, and temperature ⩽40°C.
Cells should be sampling inspected again if the storage time over 45 days.

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