Cassini

CASSINI ENERGY INC

CA210STBP18A- Monocrystalline TOPCon Bifacial Cell Product

Product Technical Features

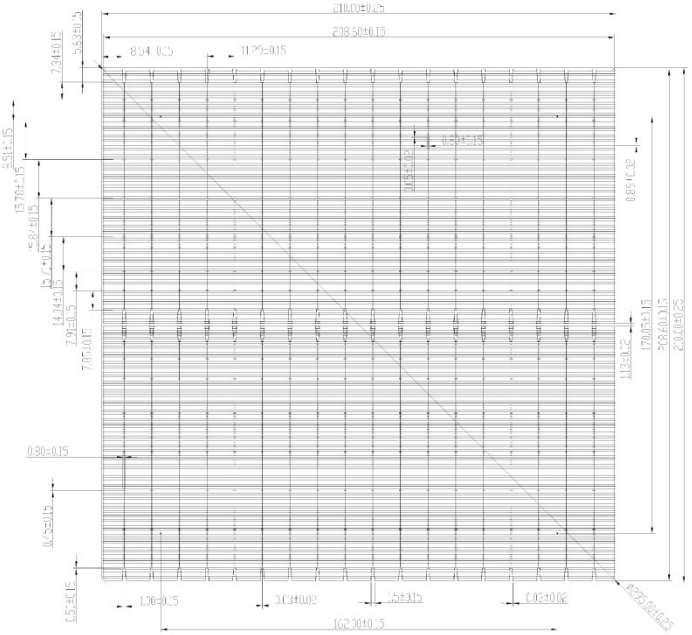
- High conversion efficiency and high reliability
- Strong low - light response
- Low - temperature Poly - Si deposition process
- Precise Boron - doping process
- Extremely low light-induced degradation
- Low encapsulation loss
- Advanced passivation doping technology
- Contact enhancement technology

Mechanical Properties

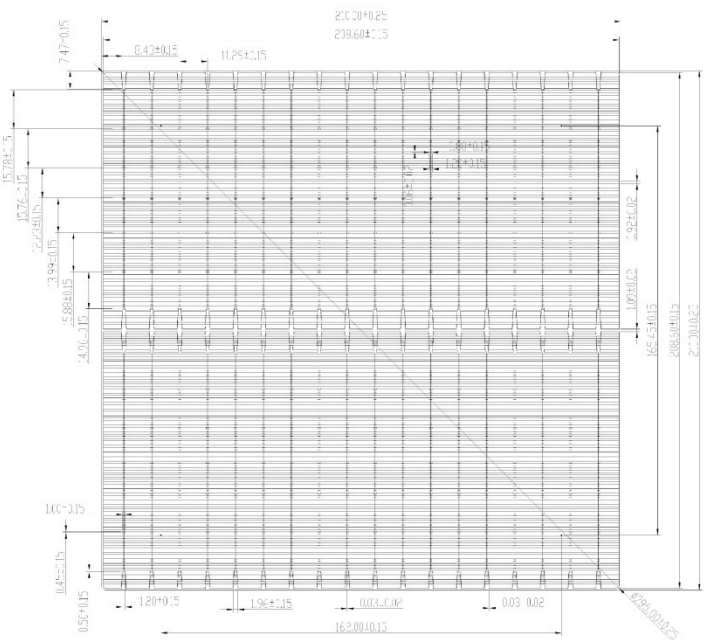
Base material	N-type phosphorus-doped monocrystalline silicon wafers
Thickness	130±10%μm
Size	210mm*210mm±0.25mm, Φ295mm±0.25mm
Front side	18 busbars，234 fingers，blue silicon nitride compound anti-reflection coating
Back side	18 busbars，228 fingers，blue silicon nitride compound anti-reflection coating

Product Appearance

Front



Back



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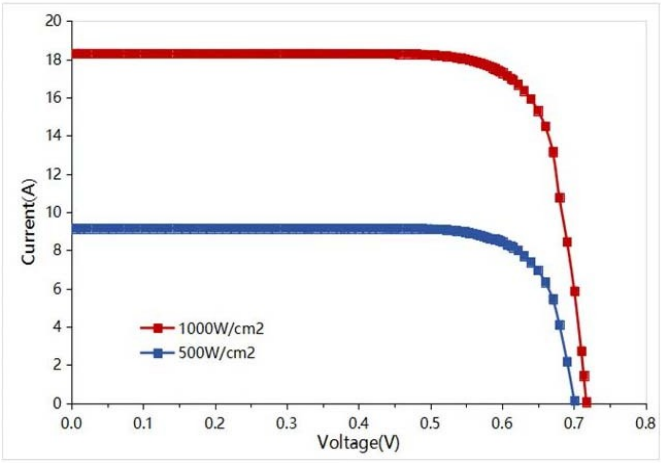
Electrical Characteristics

Eff. Grade (%)	Pmpp(W)	Vmpp(V)	Impp(A)	Voc(V)	Isc(A)
25.8	11.38	0.635	17.916	0.725	18.665
25.7	11.33	0.634	17.875	0.724	18.649
25.6	11.29	0.633	17.834	0.723	18.61
25.5	11.24	0.632	17.777	0.722	18.566
25.4	11.20	0.631	17.745	0.721	18.526
25.3	11.16	0.630	17.713	0.720	18.486
25.2	11.11	0.629	17.665	0.719	18.442
25.1	11.07	0.628	17.626	0.718	18.389
25.0	11.02	0.627	17.581	0.717	18.347
24.9	10.98	0.626	17.540	0.716	18.300
24.8	10.94	0.625	17.497	0.715	18.252
24.7	10.89	0.624	17.455	0.714	18.203

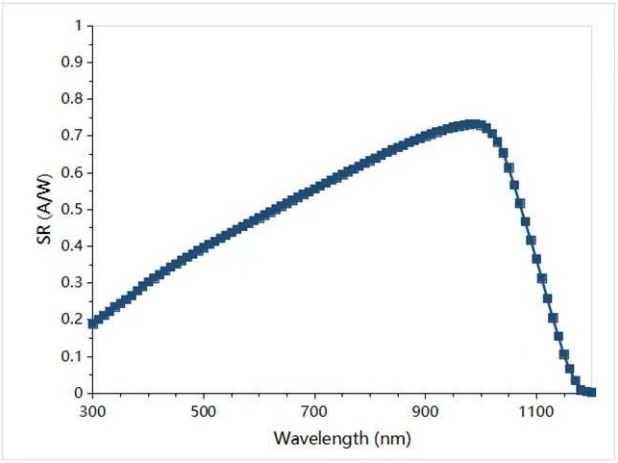
Standard Test Conditions: 1000W/㎡， AM1.5 ， 25℃

The above technical parameters are subject to technical changes and testing. ZEMA NEW ENERGY reserves the right of final interpretation.

I-V Curve



Spectral Response（SR）



Temperature Coefficient

Power Temperature Coefficient	-0.31 %/℃
Voltage Temperature Coefficient	-0.261% /℃
Current Temperature Coefficient	+0.046% /℃

Packaging And Storage

The packaging box is shrink - wrapped, with foam air cushions around for shock absorption and cushioning, providing the best protection during transportation.

The packaged batteries should be stored in a well - ventilated and dry indoor environment. The humidity should be controlled below 60%RH, the temperature should be controlled below 25±5°C, and the storage time should not exceed 60 days.

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