

# N-Type Cell - 210R

210R16P1 - F236R228

- Lower LID
- Superior anti-PID performance
- Lower Cell to Module (CTM) Loss Rate, more suitable for high-efficiency module
- Relative conversion efficiency  $\geq 92\%$  under low light ( $200\text{W}/\text{m}^2$ )
- Front efficiency  $\geq 25\%$ , Bifacial rate  $\geq 80\%$



ISO9001 : 2015 ISO Quality Management System  
ISO14001 : 2015 ISO Environmental Management System  
ISO45001 : 2018 ISO Occupational Health and Safety System  
ISO27001 : 2022 ISO Information Security Management System  
ISO50001 : 2018 ISO Information Security Management System  
ISO10002 : 2018 ISO Customer Complaint Handling Management System  
SA8000 : 2026 SA8000 Social Responsibility Management System

# 210R16P1 F236R228

## Mechanical Characteristics

<b>Model</b>	210mono-crystalline Bifacial Solar Cell (210R16P1)
<b>Dimension</b>	182.3mm x 210mm±0.5mm, Ø272mm±0.5mm
<b>Thickness</b>	130µm ± 13µm
<b>Front</b>	16 Busbars, 14 Pads, 236 Fingers, Busbar width 0.06mm±0.03mm
<b>Back</b>	16 Busbars, 14 Pads, 228 Fingers, Busbar width 0.06mm±0.03mm

## Electrical Characteristics

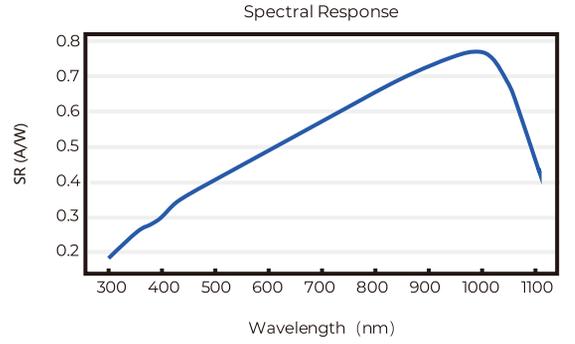
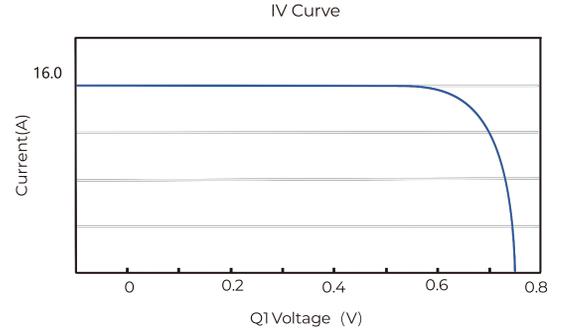
Efficiency (%)	Power Pmpp (W)	Max. Power Voltage Vmpp (V)	Max. Power Current Imp (A)	Open Circuit Voltage Voc (V)	Short Circuit Current ISC (A)	Fill Factor (%)
26.30	10.04	0.6361	15.788	0.7360	15.985	85.37
26.20	10.01	0.6351	15.756	0.7353	15.976	85.19
26.10	9.97	0.6339	15.726	0.7344	15.976	84.97
26.00	9.93	0.6326	15.697	0.7335	15.975	84.74
25.90	9.89	0.6311	15.675	0.7327	15.974	84.50
25.80	9.85	0.6300	15.642	0.7321	15.972	84.27
25.70	9.81	0.6287	15.609	0.7313	15.967	84.04
25.60	9.78	0.6273	15.585	0.7301	15.965	83.92
25.50	9.74	0.6256	15.569	0.7290	15.962	83.70
25.40	9.70	0.6238	15.553	0.7279	15.961	83.46
25.30	9.66	0.6225	15.516	0.7275	15.959	83.16
25.20	9.63	0.6216	15.487	0.7267	15.950	83.07
25.10	9.59	0.6214	15.433	0.7266	15.946	82.75
25.00	9.55	0.6187	15.433	0.7220	15.944	82.98
24.90	9.50	0.6161	15.420	0.7219	15.942	82.55
24.80	9.47	0.6137	15.429	0.7210	15.938	82.44
24.70	9.44	0.6124	15.417	0.7205	15.926	82.25
24.60	9.40	0.6102	15.397	0.7200	15.904	82.11
24.50	9.36	0.6089	15.365	0.7198	15.895	81.79
24.40	9.32	0.6019	15.477	0.7185	15.879	81.66
24.30	9.29	0.6072	15.295	0.7178	15.870	81.54

\*Standard Test Condition(STC): 1000W/m<sup>2</sup>, AM 1.5G, 25 °C/Solar Cell Efficiency Positive Tolerance / Specifications and data for reference only

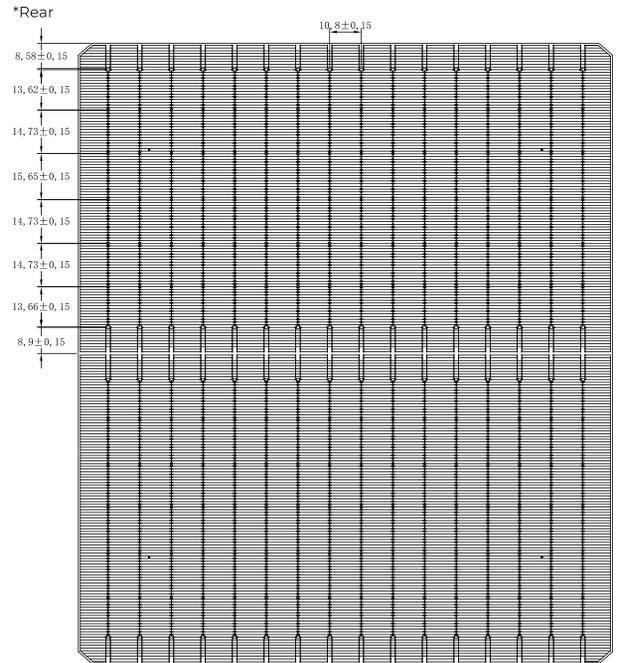
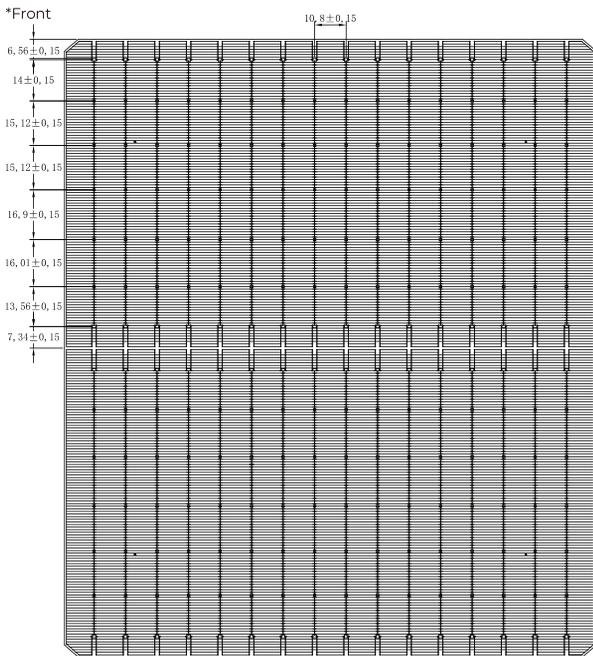
## Temperature Coefficients

<b>0.045%/K</b> TkCurrent	<b>-0.30%/K</b> TkPower	<b>-0.025%/K</b> TkPower
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## Performance Curve



## Pattern



210R16P1-F236R228-M272

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