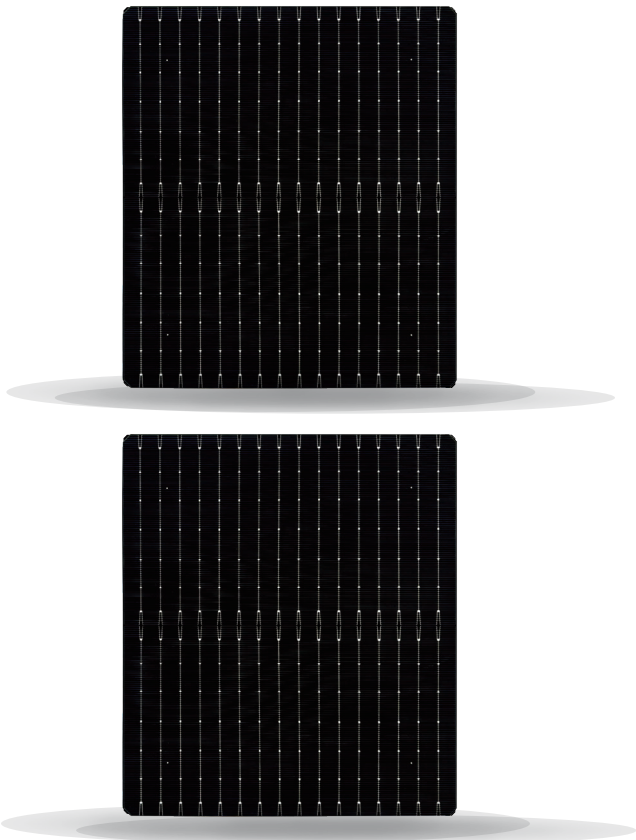


N-Type ToPCon Bifacial Solar Cell (G12R)

182.3*210-16BB 24.8%~25.7%

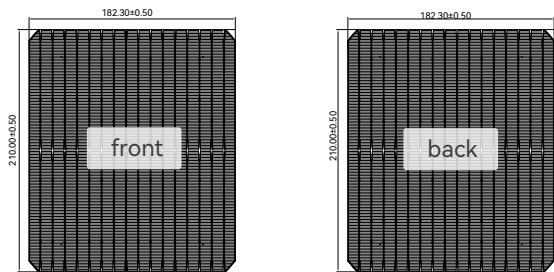


Positive Electrical Performance Parameters

[Standard test conditions: irradiance 1000w/m², standard solar spectrum Am1.5g, 25 °C]

Conversion efficiency (%)	Maximum output power (W)	Maximum output voltage (V)	Maximum output current (A)	Open circuit voltage (V)	Short-circuit current (A)
25.7	9.82	0.634	15.495	0.724	15.823
25.6	9.79	0.633	15.459	0.723	15.793
25.5	9.75	0.632	15.423	0.722	15.761
25.4	9.71	0.631	15.387	0.721	15.730
25.3	9.67	0.630	15.351	0.720	15.695
25.2	9.63	0.629	15.314	0.719	15.666
25.1	9.59	0.628	15.278	0.718	15.636
25.0	9.56	0.627	15.241	0.717	15.614
24.9	9.52	0.626	15.205	0.716	15.593
24.8	9.48	0.625	15.168	0.715	15.574

Battery Appearance



Appearance And Structure

Dimension	182.3X210mm, Tolerancet±0.5mm
Diagonal	272mm, Tolerancet±0.5mm
Thickness	130μm, Tolerancet±10%μm
front	Blue anti-reflection coating, 16BB
back	Blue anti-reflection coating, 16BB

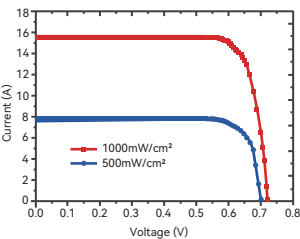
Thermal Ratings

Temperature coefficient of Pmax $-(0.30\pm0.02)\%/^{\circ}\text{C}$

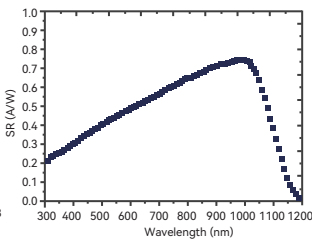
Temperature coefficient of Isc $+(0.046\pm0.015)\%/^{\circ}\text{C}$

Temperature coefficient of Voc $-(0.261\pm0.030)\%/^{\circ}\text{C}$

IVcurve



QEcurve



Light Induced Degradation Test

Using xenon lamp (Irradiance of 1000W/m², with spectrum AM 1.5) to irradiate test cells, after a total irradiation of 5 kwh/m² the degradation of maximum output efficiency of cells is $\leq 0.8\%$