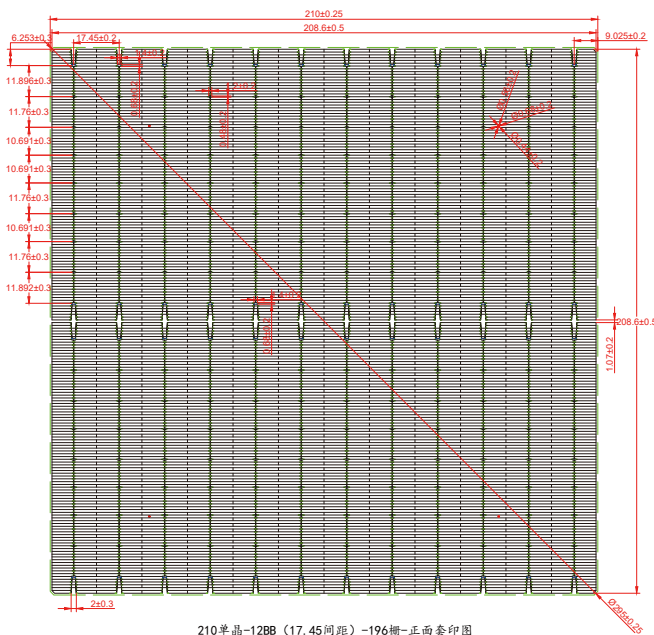


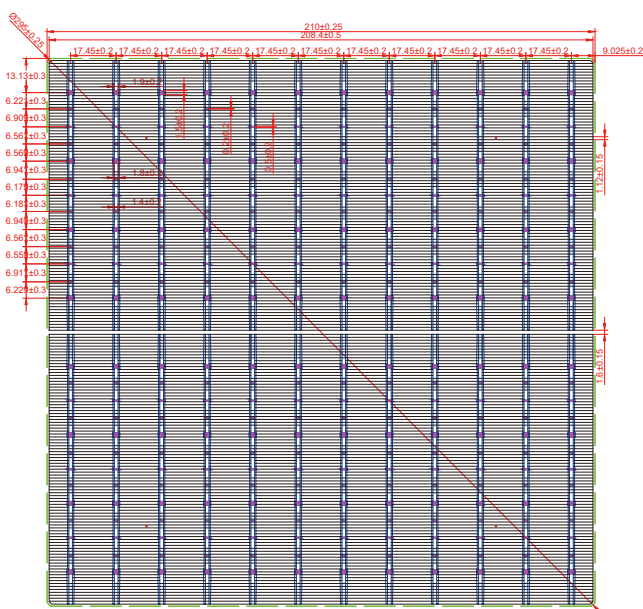
M21012BBF50

210 Monocrystalline Bifacial PERC

Product Appearance



Front



Back

Solar Cell



Low reflection of uniform fine texturing structure



High square resistance



Uniform tower base from back-side alkaline polishing



High density fingers

Electrical Performance

Efficiency(%)	23.60	23.50	23.40	23.30	23.20	23.10	23.00	22.90	22.80
Voc(V)	0.696	0.695	0.695	0.695	0.694	0.693	0.692	0.691	0.690
Isc(A)	18.265	18.243	18.235	18.226	18.183	18.116	18.095	18.078	18.078
Vmpp(V)	0.597	0.596	0.594	0.593	0.592	0.591	0.590	0.589	0.589
Imp(A)	17.432	17.387	17.371	17.326	17.281	17.235	17.190	17.144	17.069
Pmpp(W)	10.41	10.36	10.32	10.27	10.23	10.19	10.14	10.10	10.05

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

Appearance and Structure

Substrate material	P-type mono-crystalline silicon wafer-PERC
Cell thickness	155μm±15.5μm
Dimension	210mm×210mm±0.25mm
Diagonal	295mm±0.25mm
Front(-)	12 bus bars, 172 lines, Silicon oxide + blue silicon nitride compound anti reflection coating(PID Free)
Back(+)	186 lines, Silicon oxynitride and Aluminum lines back-surface field, Laser design of vertical bus bars

Temperature Coefficient

TkPower	-(0.39±0.02) %/k
TkVoltage	-(0.33±0.03) %/k
TkCurrent	+(0.06±0.015) %/k

Light induced degradation

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 power of cells is ≤2%.

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 humidity below 60%, and temperature (20±10) °C. Cells should be sampling inspected again if the storage time over 180 days.