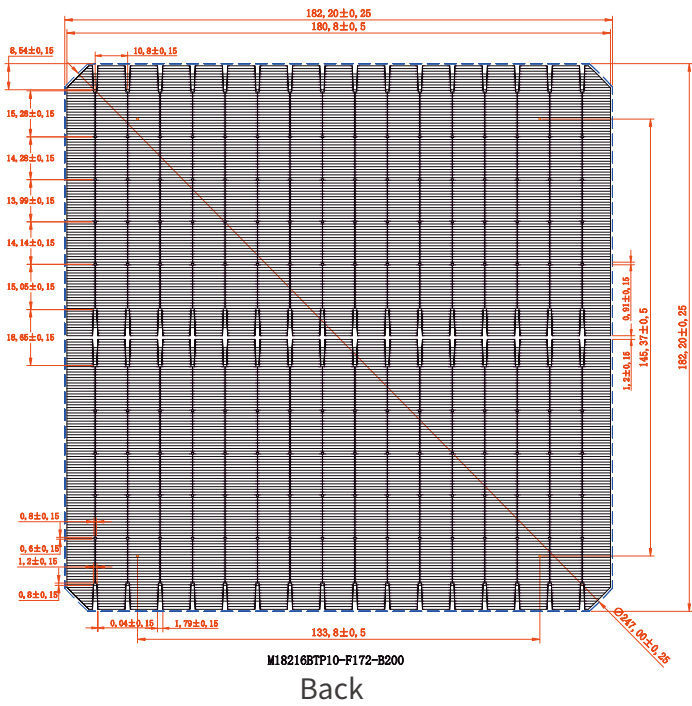
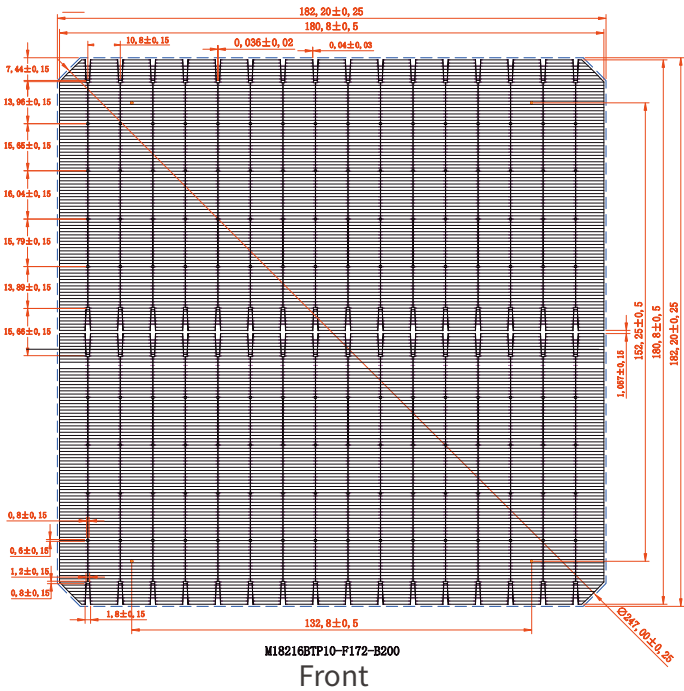


M18216BTP10

182 Monocrystalline Bifacial TOPCon

Product Appearance



Solar Cell



Low reflection of uniform fine texturing structure



High bifaciality



In situ doped ultra-thin poly-Si



Low decay

Performance

Efficiency(%)	25.10	25.00	24.90	24.80	24.70	24.60	24.50
Voc(V)	0.724	0.724	0.723	0.723	0.722	0.721	0.720
Isc(A)	13.706	13.706	13.705	13.704	13.699	13.695	13.693
Vmpp(V)	0.618	0.617	0.615	0.614	0.613	0.611	0.610
Imp(A)	13.490	13.377	13.367	13.335	13.303	13.292	13.260
Pmpp(W)	8.29	8.25	8.22	8.19	8.15	8.12	8.09

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

Appearance and Structure

Substrate material	N-type mono-crystalline silicon wafer-TOPCon
Cell thickness	130μm±13μm
Dimension	182.2mm×182.2mm±0.25mm
Diagonal	247mm±0.25mm
Front(-)	16 bus bars, 172 lines, Silicon oxide + blue silicon nitride compound anti reflection coating
Back(+)	16 bus bars, 200 lines, Silicon oxide + blue silicon nitride compound anti reflection coating

Temperature Coefficient

TkPower	-(0.33±0.02) %/k
TkVoltage	-(0.27±0.03) %/k
TkCurrent	+(0.045±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.