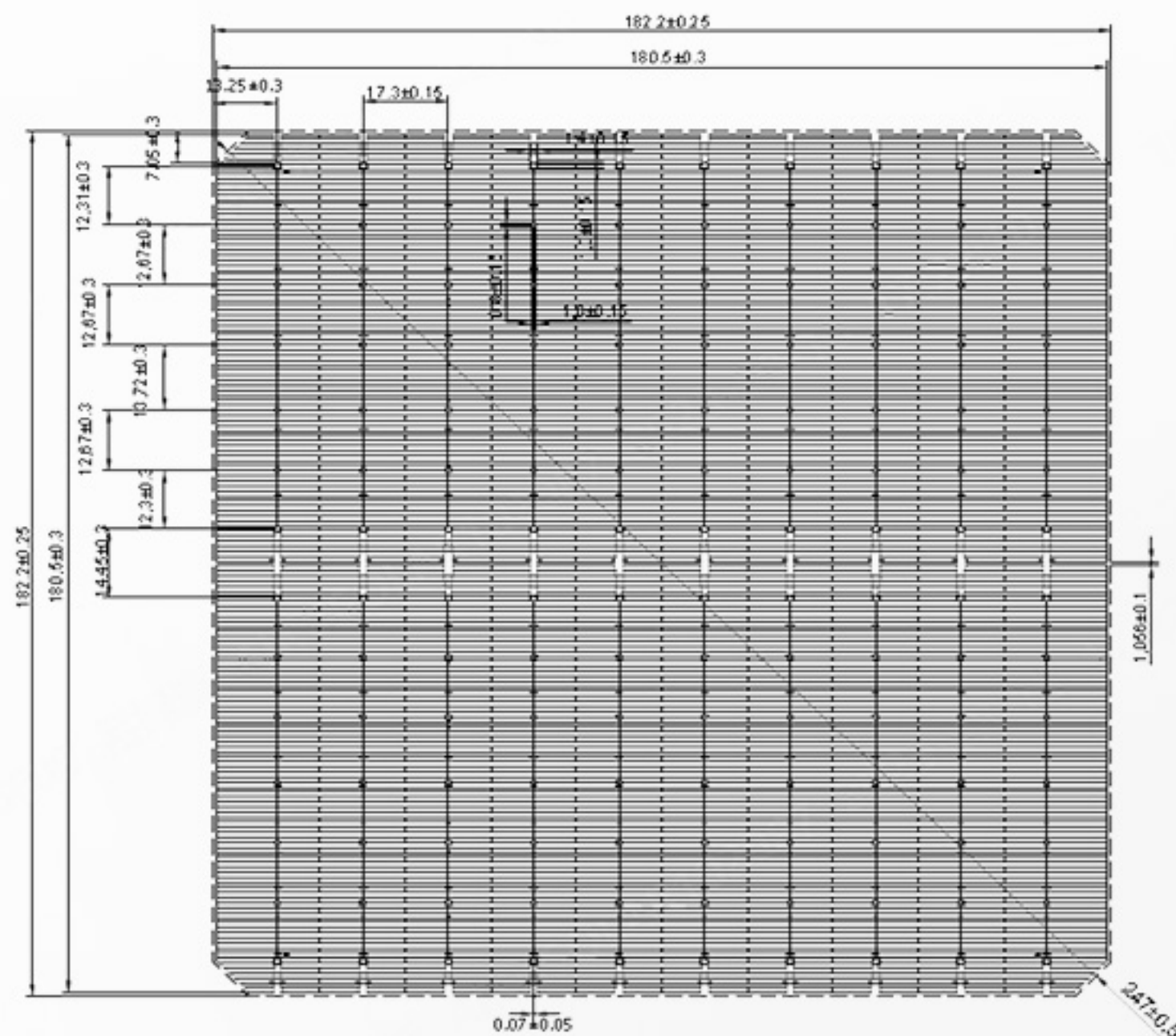


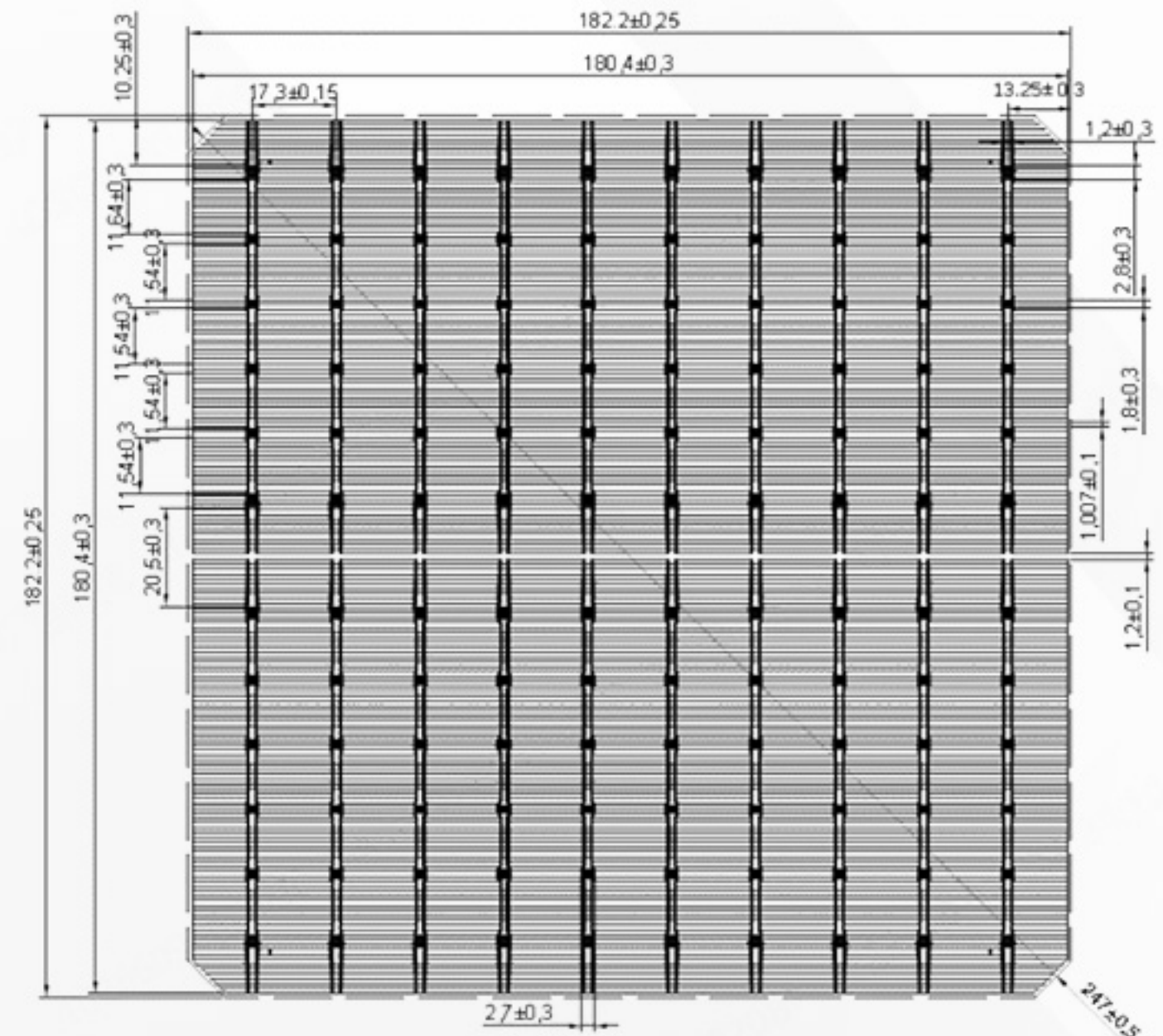
LKS-182.2mm-10BB Mono

High Efficiency Solar Cell

Front Pattern



Back Pattern



Mechanical Characteristics

Product: Mono Perc Crystalline Silicon Solar Cell

Dimension: $182.2\text{mm} \times 182.2\text{mm} \pm 0.25 (\phi 247 \pm 0.25\text{mm})$

Thickness: $150\mu\text{m} \pm 17.5\mu\text{m}$

Front (cathode): Silicon oxide + blue silicon nitride compound anti-reflection coating (PID Free); Half-cut design

Back (anode): Passivated layer (AlOx and SiNx) and Rear Contact (Al)

Electrical Characteristics

Efficiency(%)	Pmpp(Wp)	Vmpp (V)	Ippp(A)	Voc(V)	Isc(A)	FF(%)
23.70%	7.82	0.616	12.695	0.6972	13.471	83.26
23.60%	7.79	0.614	12.687	0.6957	13.458	83.20

23.50%	7.76	0.612	12.680	0.6943	13.445	83.13
23.40%	7.73	0.610	12.672	0.6930	13.429	83.06
23.30%	7.69	0.607	12.669	0.6908	13.412	83.00
23.20%	7.66	0.605	12.661	0.6893	13.400	82.93
23.10%	7.63	0.603	12.648	0.6875	13.394	82.86
23.00%	7.59	0.601	12.629	0.6862	13.358	82.80
22.90%	7.56	0.599	12.621	0.6850	13.341	82.73
22.80%	7.53	0.597	12.613	0.6837	13.324	82.66

Temperature Coefficients

TkCurrent: -0.36%/°K

TkVoltage: +0.07%/°K

TkPower: -0.38%/°K

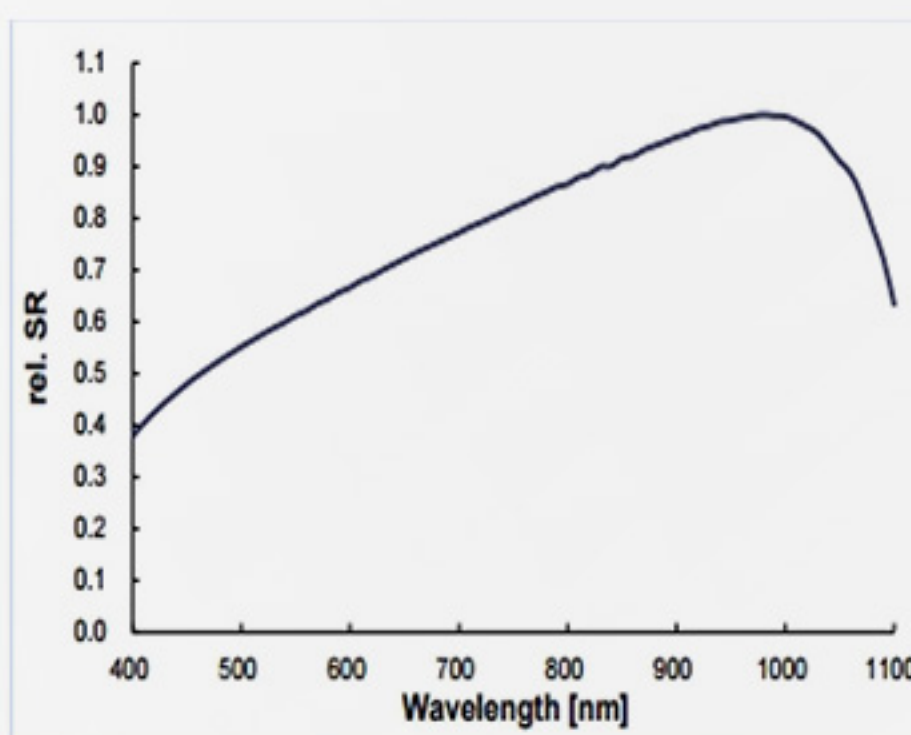
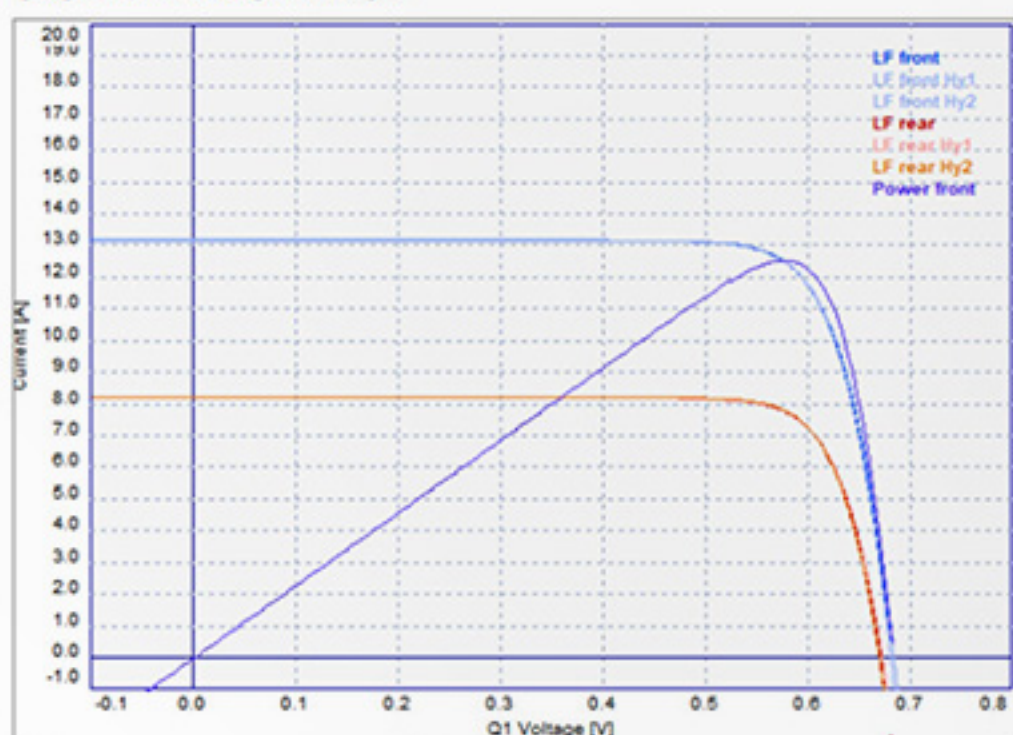
STC:Irradiance 1000W/m², Cell temperature 25 °C, AM1.5G.Pmpp ±1.5%, Efficiency ±0.2%

IV CURVE

SPECTRAL RESPONSE

INTENSITY DEPENDENCE

[Q1] Forward voltage with light



Intensity (W/m ²)	Vmpp	Impp
1000	1.000	1.000
800	0.990	0.801
600	0.977	0.600
200	0.923	0.195

Ratio of Vmpp (Impp) at reduced intensity to Impp (Vmpp) at 1000 (W/m²)

Specifications subjects to technical changes and test, Shanghai Linksol New Energy Co.,Ltd reserves the right of final interpretation.