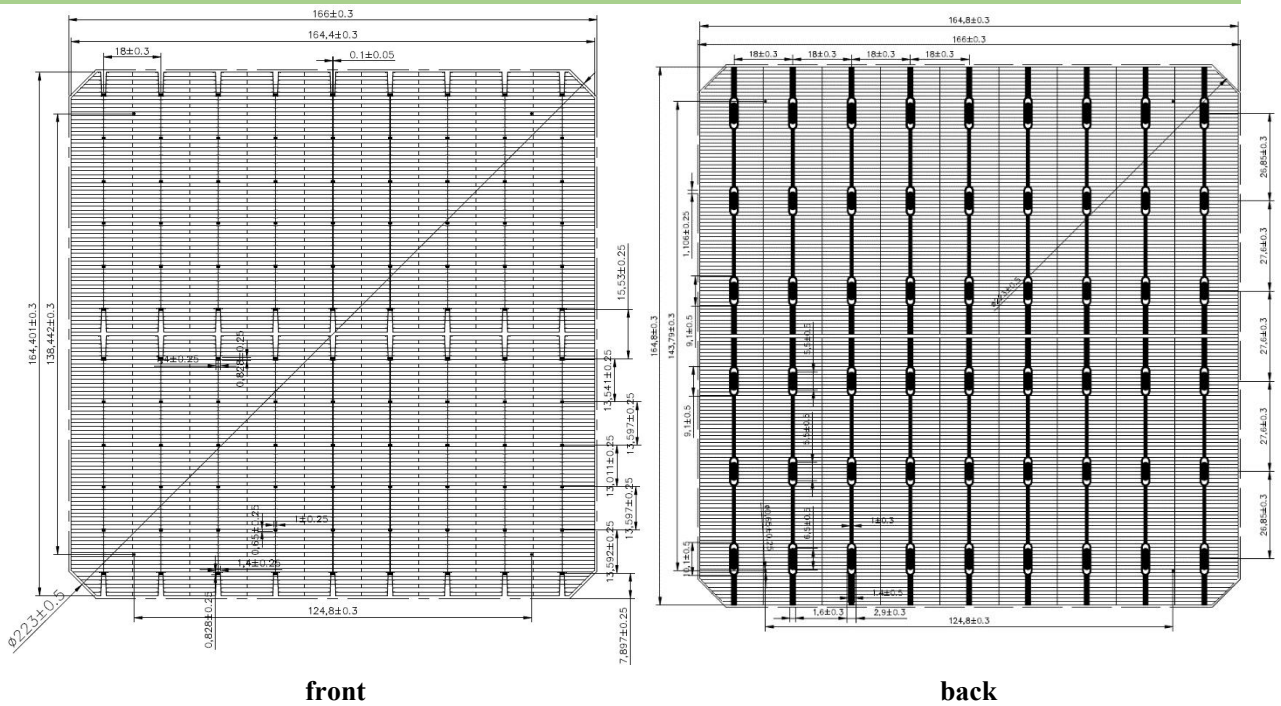


JIANGSU SUNDAY ENERGY CO., LTD.

Mono Crystalline Solar Cell SD3C-166-9BB

Appearance



Technical data and design

Dimension	166mm*166mm±0.3mm
Thickness	180±30μm
Front	9 main grids, distance between main grids:18mm, 9*0.1±0.05mm main grid line(Silver), 134 finger grids, break-proof grid design, blue anti-reflect film (Si₃ N₄)
Back(+)	Width of back electrode (silver)1.4±0.5mm, Back surface field (aluminum), 150 aluminum grids, break-proof grid design

Temperature coefficient		IV curve
TkVoltage:	-0.36 %/K	
TkCurrent:	+0.07%/K	
TkPower:	-0.38%/K	

Solder ability	
Minimum peel strength	≥1.4N/mm
Result may be different due to different ribbons,soldering methods and parameters.	

Light intensity dependence		
Intensity(W/m ²)	Uoc	Isc
1000	1.000	1.000
900	0.996	0.903
800	0.991	0.803
600	0.988	0.602
400	0.962	0.403
Ratio of Voc(Isc) at reduced intensity to Voc(Isc) at 1000W/m ² .		

Electrical performance to bifacial cells

efficiency	Front							back				
	Eta (%)	Pmpp (W)	Ump (V)	Imp (A)	Uoc (V)	Isc (A)	FF (%)	Uoc (V)	Isc (A)	FF (%)	Eta (%)	Pmpp (W)
22-22.1	22.0	6.03	0.568	10.63	0.674	11.22	79.78	0.663	7.61	79.92	14.71	4.03
22.1-22.2	22.1	6.06	0.570	10.62	0.675	11.23	79.96	0.664	7.62	79.98	14.76	4.05
22.2-22.3	22.2	6.09	0.572	10.64	0.675	11.23	80.33	0.665	7.63	80.02	14.80	4.06
22.3-22.4	22.3	6.11	0.574	10.64	0.676	11.26	80.32	0.667	7.64	80.30	14.92	4.09
22.4-22.5	22.4	6.14	0.575	10.68	0.677	11.27	80.54	0.667	7.65	80.90	15.06	4.13
22.5-22.6	22.5	6.17	0.577	10.70	0.677	11.27	80.83	0.667	7.67	81.17	15.16	4.15
22.6-22.7	22.6	6.20	0.577	10.73	0.678	11.30	80.85	0.669	7.7	81.63	15.33	4.2
22.7-22.8	22.7	6.22	0.578	10.76	0.678	11.33	80.97	0.669	7.73	82.12	15.50	4.25
22.8-22.9	22.8	6.25	0.580	10.78	0.681	11.34	80.99	0.671	7.73	82.00	15.53	4.26
22.9-23.0	22.9	6.28	0.582	10.79	0.683	11.35	81.01	0.674	7.74	82.18	15.63	4.28
23.0-23.1	23.0	6.31	0.583	10.81	0.684	11.36	81.12	0.675	7.75	82.25	15.69	4.3
23.1-23.2	23.1	6.33	0.585	10.83	0.685	11.37	81.25	0.676	7.75	82.33	15.74	4.32

STC (Standard Testing Conditions): 1000W/m², AM1.5, 25°C

Technical parameters above-mentioned subjects to technical changes and tests. SundayEnergy reserves the right of final interpretation.