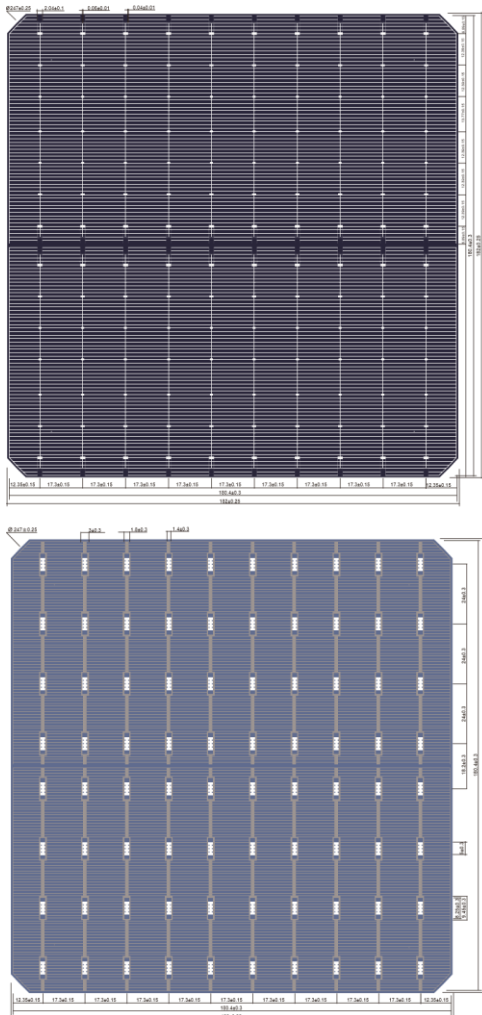




SundayEnergy mono crystalline solar cell SD6C-182-10BB

Date: Nov.21.2021

Appearance



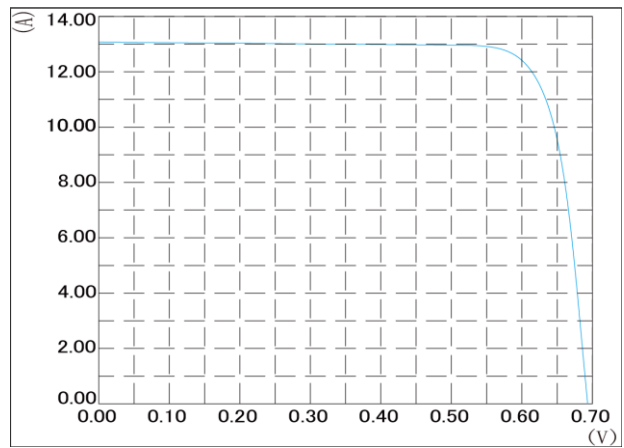
Technical data and design

Dimension	182mm*182mm±0.5mm (diameter 247 ±0.5 mm)
Thickness	175 ± 20µm
Front (-)	Silicon oxide + blue silicon nitride compound anti-reflection coating (PID Free). The front side is a half-cut design; The busbar head is a large double fork, and the pads of the busbar are intermittently stepped. The size of the head pad is 1.2 ± 0.15mm * 1.3± 0.15mm, and the middle pad of the busbar size is 0.8±0.15mm*1±0.15mm.
Back (+)	Passivated layer (AlOx and SiNx) and Rear Contact (Al); the rear electrode is composed of 10 roots rear compound busbar and 160 roots rear Al fingers. The composite busbar is locally narrowed, and the width is 1.5 ± 0.3mm and 1.0 ± 0.3mm, respectively. 8 sections 1.45±0.3 mm silver anode, no laser pattern under the rear electrode. Silver electrode has round head, and silver electrode is 1.5±0.6mm hollow at both ends.

Temperature coefficient

TkVoltage:	-0.39 %/K
TkCurrent:	+0.06%/K
TkPower:	-0.39%/K

IV curve



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/m²)	Uoc	Isc
1000	1.000	1.000
800	0.9856	0.8005
600	0.9739	0.6008
400	0.9570	0.4011
200	0.9266	0.2007

Ratio of Voc (Isc) at reduced intensity to Voc (Isc) at 1000W/m².

Electrical performance to bifacial cells

Efficiency	Pmpp	Ump	Imp	Uoc	Isc
	(W)	(V)	(A)	(V)	(A)
≥23.0	7.59	0.5907	12.854	0.6904	13.521
22.90-23.0	7.56	0.5889	12.839	0.6884	13.505
22.80-22.90	7.53	0.5870	12.824	0.6864	13.489
22.70-22.80	7.49	0.5852	12.807	0.6854	13.472
22.60-22.70	7.46	0.5834	12.790	0.6836	13.454
22.50-22.60	7.43	0.5815	12.774	0.6827	13.437
22.40-22.50	7.40	0.5797	12.756	0.6818	13.418
22.30-22.40	7.36	0.5779	12.740	0.6801	13.401
22.20-22.30	7.33	0.5757	12.732	0.6783	13.393
22.10-22.20	7.30	0.5740	12.711	0.6782	13.371
22.00-22.10	7.26	0.5721	12.696	0.6772	13.355
21.90-22.00	7.23	0.5703	12.677	0.6763	13.335

STC (Standard Testing Conditions): 1000W/m², AM1.5, 25°C
 Bifacial factor:(back side Pmpp/front side Pmpp ,back side Isc/front side Isc)≥70%
 Technical parameters above-mentioned subjects to technical changes and tests. SundayEnergy reserves the right of final interpretation.

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