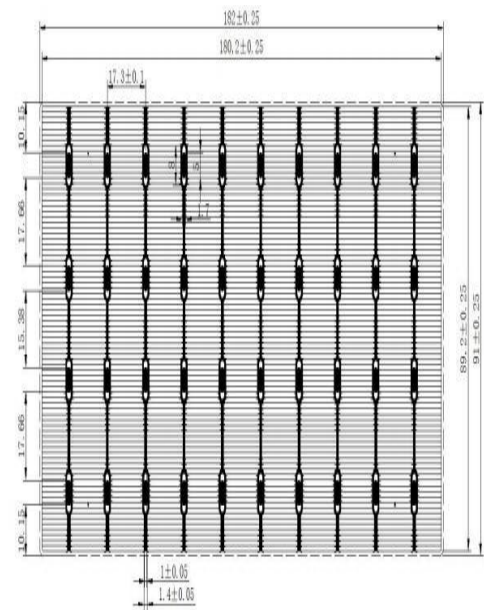
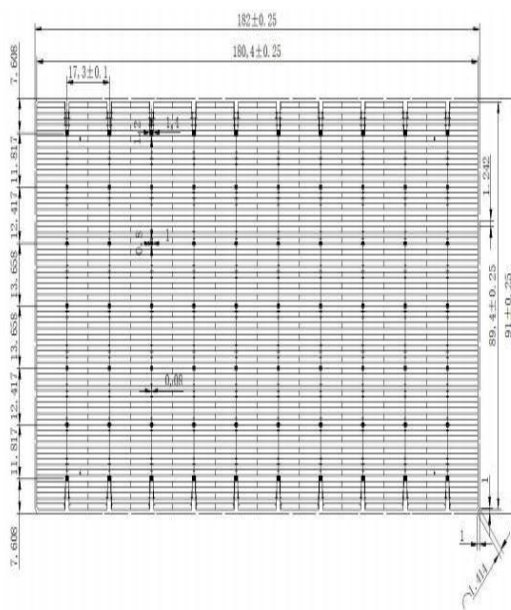




SAMEBAOT SOLAR ENERGY

Data sheet for half cut 182mm bifacial mono cells

PRODUCT APPEARANCE DESIGN



Technical data and design

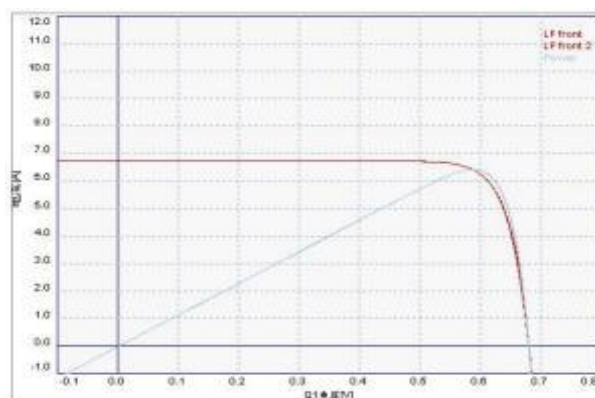
Basic specifications	Substrate material	P- type mono- crystalline silicon
	Dimension	182mm × 91mm ± 0.25mm
	Chamfer arc length	1.41mm± 0.25mm
	Area	16560 mm ²
		10 busbars,Distance between busbars 17.30mm
		Finger quantity 80± 10%

Appearance parameters	Front surface	Silicon nitride , Silicon oxynitride
		Four color categories
		Finger quantity $90 \pm 10\%$
	Rear surface	Aluminum oxide , Silicon nitride
	Cell thickness	$165\mu\text{m} \pm 16.5\mu\text{m}$
Product performance	Warpage	$\leq 1.0\text{mm}$
	PID	Power loss less than 5% Note: under the conditions of temperature 85°C , humidity 85%, voltage - 1500 V and 192 hours
	LID	Power loss less than 1.5% Note: light 1000W, 6 hours

Light Intensity Dependence

Intensity(W/m2)	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

IV Curve



Electrical performance

Serial number	Efficiency	Pmpp (W)
---------------	------------	----------

1	23.20%	3.84
2	23.10%	3.83
3	23.00%	3.81
4	22.90%	3.79
5	22.80%	3.78
6	22.70%	3.76
7	22.60%	3.74
8	22.50%	3.73
9	22.40%	3.71
10	22.30%	3.69