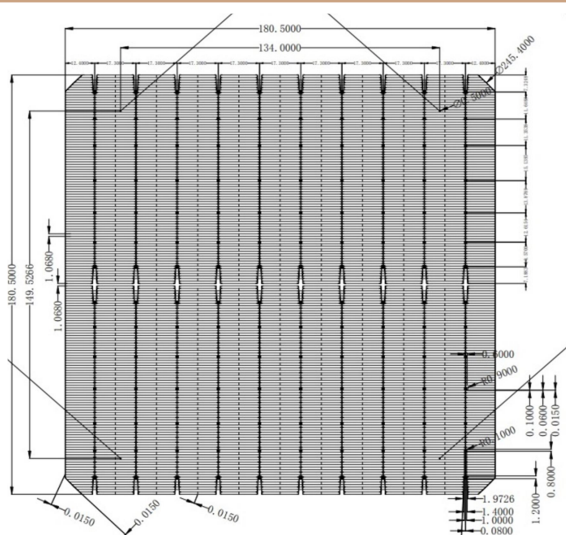




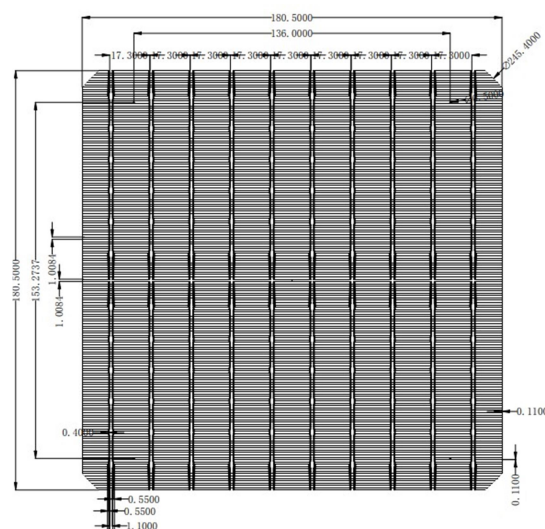
PRODUCT DATASHEET OF MONO PERC CELL

PRODUCT DESIGN

Model - WS182MP10



FRONT VIEW



REAR VIEW

Technical Data and Design

Dimension	182.2mm *182.2mm±0.5mm
Thickness	150±15μm
Front(-)	10*0.08±0.01 mm busbar (silver), 170 Fingers, Blue anti-reflecting coating (SiNx)
Back(+)	Width of back electrode 1.5±0.05mm, 180 Fingers grid

Temperature Coefficients

T _c of V _{oc}	-0.260 %/°C
T _c of I _{sc}	+0.041%/°C
T _c of P _{max} :	-0.320%/°C

Rsh≥50Ω, IREV2≤0.8A

Sun side Electrical Performance Parameters

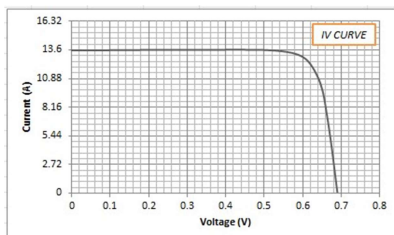
Eff. CODE	Efficiency	Pmpp	Voc	Isc	Vmpp	Impp	FF
	(%)	(W)	(V)	(A)	(V)	(A)	(%)
WSF-182MP10-768	23.20	7.68	0.69	13.59	0.592	12.97	81.65%
WSF-182MP10-765	23.10	7.65	0.69	13.58	0.592	12.92	81.50%
WSF-182MP10-761	23.00	7.61	0.69	13.58	0.590	12.89	81.23%
WSF-182MP10-758	22.90	7.58	0.69	13.57	0.590	12.85	81.08%
WSF-182MP10-755	22.80	7.55	0.69	13.56	0.589	12.82	80.93%
WSF-182MP10-751	22.70	7.51	0.69	13.55	0.587	12.79	80.65%
WSF-182MP10-748	22.60	7.48	0.69	13.55	0.586	12.76	80.48%
WSF-182MP10-745	22.50	7.45	0.68	13.54	0.585	12.73	80.44%
WSF-182MP10-741	22.40	7.41	0.68	13.53	0.583	12.71	80.16%
WSF-182MP10-738	22.30	7.38	0.68	13.53	0.582	12.69	80.11%
WSF-182MP10-735	22.20	7.35	0.68	13.50	0.581	12.65	79.94%

Rear Side Electrical Performance Parameters

Eff. Code	Eff(%)	Pmpp(W)	Uoc(V)	Isc(A)	Ump(V)	Impp(A)	FF(%)
WSR-182MP10-530	≥16.00	5.30	0.68	10.12	0.580	9.14	77.15%
WSR-182MP10-520	15.5-16.0	5.20	0.68	10.06	0.573	9.07	76.01%
WSR-182MP10-503	15.0-15.5	5.03	0.67	9.99	0.567	8.88	75.71%
WSR-182MP10-489	≤15.0	4.89	0.67	9.90	0.560	8.74	73.72%

The above mentioned data are measured under STC (Irr.-1000W/m², AM1.5, Temp:-25°C)

The data provided is provisional and Websol Energy System Limited reserves the right to change design and technical parameter as per the requirement.



IV CURVE

Intensity(W/m ²)	Voc	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

Light Intensity Dependence



PID Resistance Cell Design

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