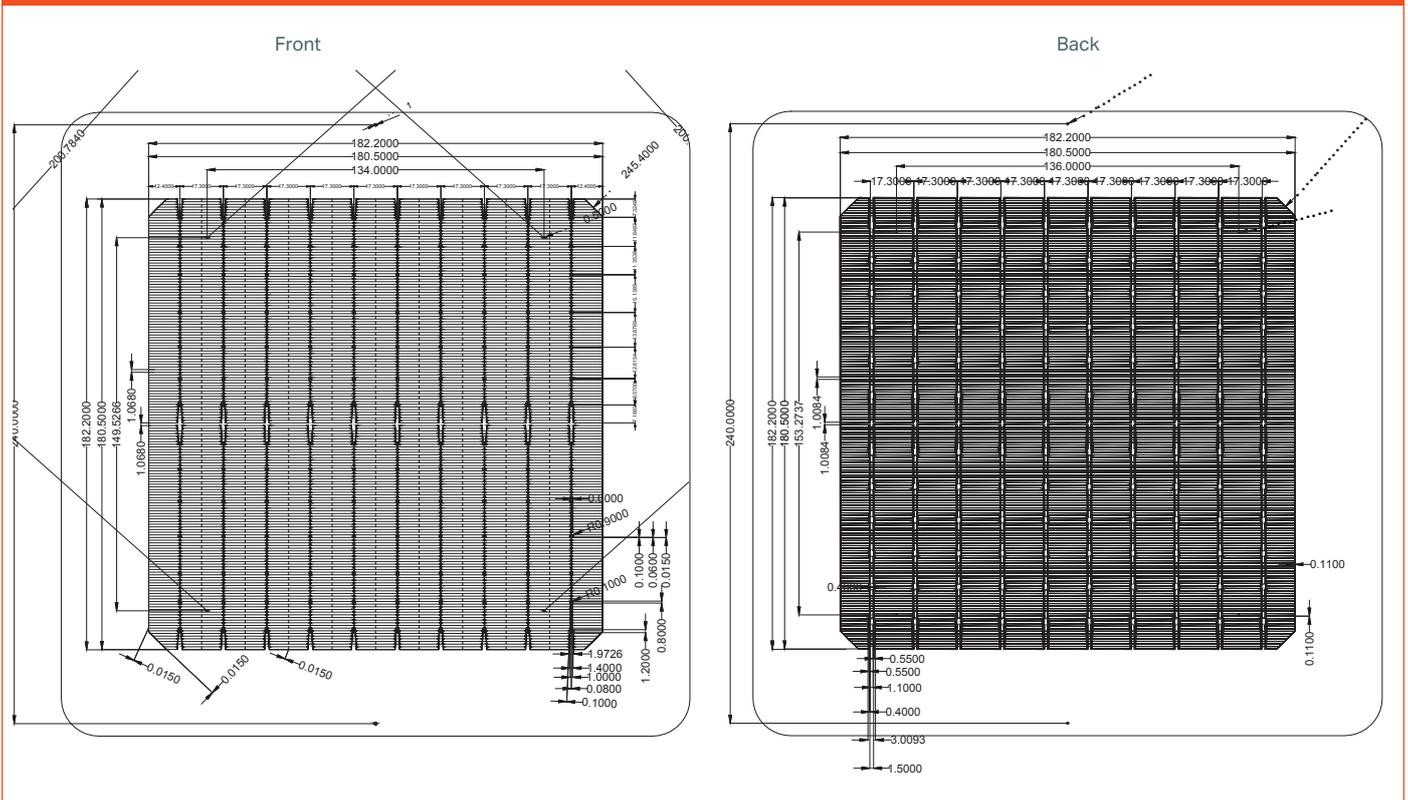


PRODUCT DATASHEET OF MONO PERC CELL

ENGINEERING DRAWINGS



TECHNICAL DATA AND DESIGN

Dimension	182.2mm * 182.2mm ± 0.5mm
Thickness	170 ± 15 μm
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

Tc of Voc	-0.260 %/°C
Tc of Isc	+0.041 %/°C
Tc of Pmax:	-0.320 %/°C
Rsh ≥ 50 Ω, IRE V₂ ≤ 0.8A	

1. Superior Power Generation in Real-World Conditions

Engineered to deliver exceptional output even under low-irradiance or rapidly changing environmental conditions ensuring consistently higher energy yield throughout the day.

2. 100% In-Line Electroluminescence (EL) Inspection

Every single cell undergoes full in-line EL testing to detect micro-cracks and hidden defects early, guaranteeing only flawless, high-performance cells reach our customers.

3. Enhanced PID Resistance for Long-Term Reliability

Advanced process optimization and material selection significantly minimize PID (Potential Induced Degradation), ensuring long-term stability.

4. Lower LID & LeTID for Maximum Lifetime Efficiency

Optimized passivation and cell design drastically reduce LID (Light-Induced Degradation) and LeTID (Light and Elevated Temperature Induced Degradation), enabling higher initial power and sustained performance over the lifetime.

Corporate Office

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SUN SIDE ELECTRICAL PERFORMANCE PARAMETERS

Eff. Code	Efficiency (%)	Pmpp (W)	Voc (V)	Isc (A)	Vmpp (V)	Impp (A)	FF (%)
WSF-182MP10-780	23.60	7.81	0.690	13.73	0.59	13.12	82.33
WSF-182MP10-778	23.50	7.78	0.690	13.72	0.59	13.09	82.18
WSF-182MP10-775	23.40	7.75	0.689	13.70	0.59	13.06	82.10
WSF-182MP10-771	23.30	7.71	0.687	13.68	0.59	13.03	82.03
WSF-182MP10-768	23.20	7.68	0.685	13.67	0.59	13.00	82.01
WSF-182MP10-765	23.10	7.65	0.684	13.65	0.59	12.98	81.92
WSF-182MP10-761	23.00	7.61	0.683	13.63	0.59	12.95	81.77
WSF-182MP10-758	22.90	7.58	0.682	13.61	0.59	12.93	81.65
WSF-182MP10-755	22.80	7.55	0.681	13.59	0.59	12.90	81.62
WSF-182MP10-751	22.70	7.51	0.680	13.55	0.58	12.87	81.50
WSF-182MP10-748	22.60	7.48	0.679	13.53	0.58	12.84	81.34
WSF-182MP10-745	22.50	7.45	0.678	13.51	0.58	12.82	81.29
WSF-182MP10-741	22.40	7.41	0.678	13.50	0.58	12.80	80.97
WSF-182MP10-738	22.30	7.38	0.677	13.48	0.58	12.77	80.88
WSF-182MP10-735	22.20	7.35	0.677	13.48	0.58	12.76	80.50

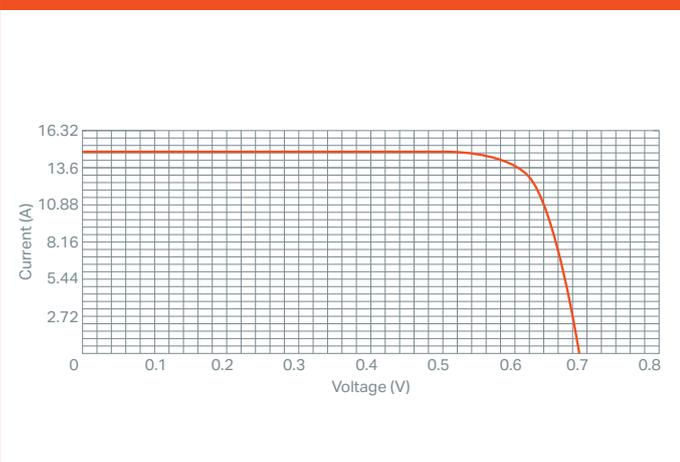
REAR SIDE ELECTRICAL PERFORMANCE PARAMETERS

Eff. Code	Efficiency (%)	Pmpp (W)	Voc (V)	Isc (A)	Vmpp (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. Customers should confirm their exact requirements with an authorized Websol representative when placing an order. Websol and its associated logos are registered trademarks of Websol Energy System Limited in India.

IV CURVE



LIGHT INTENSITY DEPENDENCE

Intensity (W/m ²)	Voc	Isc
1000	1.000	1.000
900	0.996	0.903
800	0.991	0.803
600	0.998	0.602
400	0.962	0.403



PID RESISTANCE
CELL DESIGN



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