

5" Single-crystalline Solar Cell (Diagonal 150mm) Catalog

Size: 125mm x 125mm $\pm$ 0.5mm (pseudo-square)

Diagonal: 150mm $\pm$ 1.0mm (round chamfers)

Thickness: 280um $\pm$ 30um; 220um $\pm$ 30um

- Features:**
- 1.Blue anti-reflection costing (silicon Nitride)-front side
 - 2.Advanced Process Technology
 - 3.High Efficiency
 - 4.Long Lifetime 20 years
 - 5.No residual dark point



	Conversion Effeciency(%)	Rated power(Wp)	Maximum PowerCurrent(A)	Maximum PowerVoltage(V)	Short CircuitCurrent(A)	Open CircuitVoltage(V)
MSC5110	10.00-10.99	1.56	3.31-3.62	0.450	4.62 $\pm$ 5 %	0.600 $\pm$ 5 %
MSC5120	11.00-11.99	1.71	3.31-3.62	0.450	4.62 $\pm$ 5 %	0.600 $\pm$ 5 %
MSC5130	12.00-12.99	1.86	3.31-3.62	0.450	4.62 $\pm$ 5 %	0.600 $\pm$ 5 %
MSC5140	13.00-13.99	2.01	3.31-3.62	0.450	4.62 $\pm$ 5 %	0.600 $\pm$ 5 %
MSC5145	14.00-14.49	2.12	3.59-3.95	0.456	4.66 $\pm$ 5 %	0.600 $\pm$ 5 %
MSC5150	14.50-14.99	2.21	3.84-4.14	0.466	4.70 $\pm$ 5 %	0.600 $\pm$ 5 %
MSC5152	15.00-15.19	2.25	4.07-4.36	0.476	4.82 $\pm$ 5 %	0.605 $\pm$ 5 %
MSC5154	15.20-15.39	2.28	4.23-4.46	0.482	4.88 $\pm$ 5 %	0.610 $\pm$ 5 %
MSC5156	15.40-15.59	2.31	4.44-4.60	0.486	4.96 $\pm$ 5 %	0.615 $\pm$ 5 %
MSC5158	15.60-15.79	2.34	4.53-4.69	0.492	5.02 $\pm$ 5 %	0.619 $\pm$ 5 %

	Conversion Effeciency(%)	Rated power(Wp)	Maximum PowerCurrent(A)	Maximum PowerVoltage(V)	Short CircuitCurrent(A)	Open CircuitVoltage(V)
MSC5160	15.80-15.99	2.37	4.61-4.71	0.496	5.06±5 %	0.619±5 %
MSC5162	16.00-16.19	2.40	4.63-4.76	0.500	5.09±5 %	0.619±5 %
MSC5164	16.20-16.39	2.43	4.70-4.82	0.502	5.10±5 %	0.621±5 %
MSC5166	16.40-16.59	2.46	4.72-4.84	0.508	5.12±5 %	0.622±5 %
MSC5168	16.60-16.79	2.49	4.72-4.84	0.508	5.12±5 %	0.622±5 %
MSC5170	16.80-16.99	2.52	4.76-4.88	0.512	5.16±5 %	0.624±5 %
MSC5172	17.00-17.19	2.55	4.80-4.96	0.512	5.20±5 %	0.625±5 %
MSC5174	17.20-17.39	2.58	4.91-5.02	0.514	5.24±5 %	0.626±5 %
MSC5176	17.40-17.59	2.60	4.95-5.08	0.514	5.32±5 %	0.627±5 %
MSC5178	17.60-17.79	2.62	5.01-5.16	0.516	5.36±5 %	0.627±5 %
MSC5180	17.80-17.99	2.64	5.05-5.18	0.520	5.42±5 %	0.630±5 %

*Under standard test condition : 1000W / m² , AM 1.5 , 25

*The temperature coefficients of open-circuit voltage and peak power are –2.2mv/°C and –4.5%/°C respectively

