



PHYSICAL CHARACTERISTICS	
Format	125mm×125mm±0.5mm
Diagonal	165mm±0.5mm
Thickness	200±20 μm
Front(-)	Blue anti-reflecting coating(silicon nitride); 1.8mm bus bars(silver);
Back(+)	surface field(Aluminum); 1.8mm wide soldering pads;

PHYSICAL CHARACTERISTICS	
Temperature coefficient of $I_{sc}(\alpha)$	+0.051%/K
Temperature coefficient of $V_{oc}(\beta)$	-0.417%/K
Temperature coefficient of $P_{mpp}(\gamma)$	-0.346%/K

ELECTRICAL CHARACTERISTICS										
Efficiency	[%]	17.00	17.25	17.50	17.75	18.00	18.25	18.50	18.75	
P_{mpp}	[W]	2.63	2.67	2.71	2.75	2.79	2.83	2.86	2.9	
I_{sc}	[A]	5.66	5.69	5.72	5.76	5.78	5.80	5.83	5.86	
V_{oc}	[V]	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.63	
I_{mpp}	[A]	5.1	5.16	5.23	5.32	5.38	5.46	5.53	5.58	
U_{mpp}	[mV]	0.51	0.52	0.52	0.52	0.52	0.52	0.52	0.52	
FF	[%]	75.11	76.17	76.63	77.01	77.35	77.78	78.13	78.56	

*The above data are presently measured average.

*Data under standard testing condition (STC):1000W/m²,AM1.5,25°C.

I-V CURVE	SPECTRAL RESPONSE	INTENSITY DEPENDENCE																		
		<table border="1"> <thead> <tr> <th>Intensity (W/m²)</th> <th>I_{sc} (A)</th> <th>V_{oc} (V)</th> </tr> </thead> <tbody> <tr> <td>1000</td> <td>1.0</td> <td>1.000</td> </tr> <tr> <td>900</td> <td>0.9</td> <td>0.994</td> </tr> <tr> <td>500</td> <td>0.5</td> <td>0.969</td> </tr> <tr> <td>300</td> <td>0.3</td> <td>0.946</td> </tr> <tr> <td>200</td> <td>0.2</td> <td>0.929</td> </tr> </tbody> </table>	Intensity (W/m ²)	I_{sc} (A)	V_{oc} (V)	1000	1.0	1.000	900	0.9	0.994	500	0.5	0.969	300	0.3	0.946	200	0.2	0.929
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※Calibrated against fraunhofer ISE freiburg

※ratio of V_{oc} at reduced intensity to $V_{oc}(I_{sc})$
at 1000 W/m²