

Size : 210mm*210mm+0.25mm **Thickness :** 180±20μm **Solderability:** ≥1.1N/mm

Power: -0.38%/K	Voltage: -0.36 %/K	Current: +0.07%/K
Front (-): 12*0.06±0.04mm main gate line (silver),174±15 secondary gate lines blue(dark blue),anti-reflective film(silicon nitride)		
Back (+): Back electrode width (silver) 2.21 ± 0.4mm, ub-grid lines Rsh≥50Ω, Irev2≤0.5A		

ProductivenessEff(%)	23.1	23.0	22.9	22.8	22.7	22.6	22.5	22.4	22.3	22.2	22.1
Maximum output powerPmpp(W)	10.18	10.14	10.10	10.05	10.01	9.97	9.92	9.88	9.83	9.79	9.75
Maximum output voltage Umpp(V)	0.590	0.589	0.587	0.586	0.584	0.583	0.581	0.579	0.577	0.575	0.574
Maximum output currentImpp(A)	17.261	17.216	17.206	17.151	17.140	17.101	17.074	17.064	17.036	17.026	16.986
Open-circuit voltageUoc(V)	0.690	0.689	0.688	0.687	0.686	0.685	0.685	0.684	0.682	0.681	0.680
Short-circuit current Isc(A)	18.186	18.166	18.140	18.125	18.108	18.088	18.062	18.049	18.030	18.016	17.995
Fill factor FF(%)	81.15	81.01	80.93	80.71	80.58	80.46	80.18	80.02	79.94	79.79	79.68

ProductivenessEff(%)	>16	15.5-16	>15-15.5	<15
Maximum output powerPmpp(W)	7.06	6.92	6.70	6.53
Maximum output voltage Ump(V)	0.582	0.579	0.572	0.565
Maximum output currentImp(A)	12.130	11.952	11.713	11.558
Open-circuit voltageUoc(V)	0.677	0.675	0.673	0.672
Short-circuit current Isc(A)	13.361	13.352	13.244	13.124

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

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