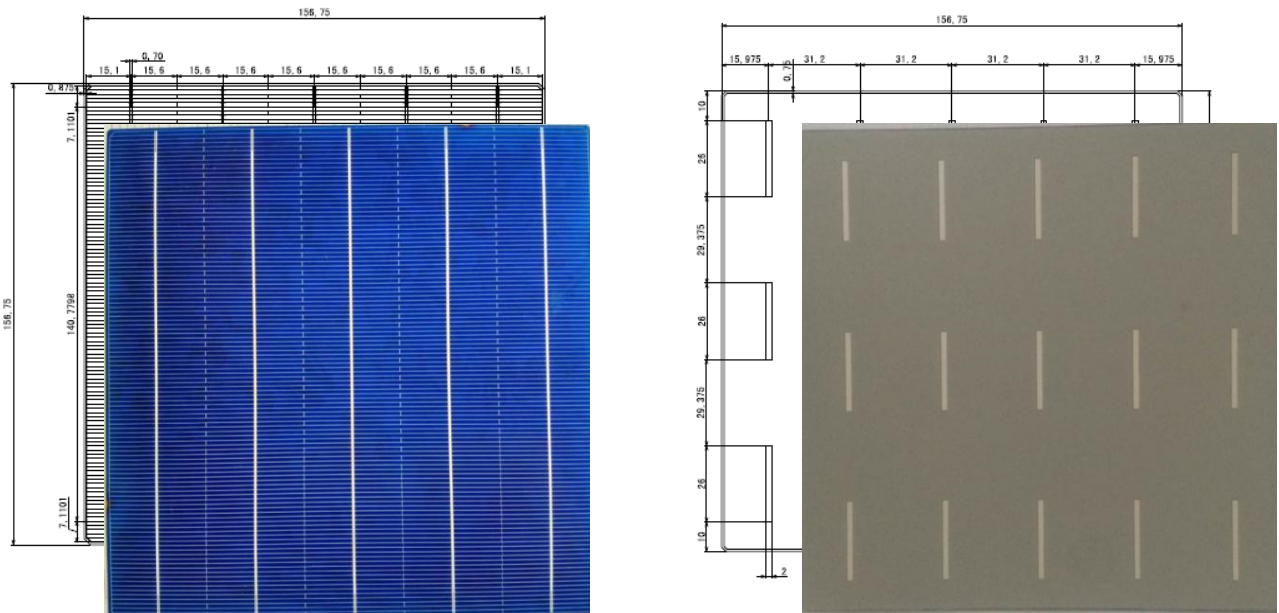


1 . Appearance:



2. Appearance Description:

Dimension: 156.75mm×156.75mm±0.25mm

Thickness (Si): 200μm±20μm

Front Side (-): Silicon oxide + blue silicon nitride compound anti-reflection coating (Ozone PID Free) ; 0.7mm silver bus bar , hollow both ends of bus bar ; bus bar parallel to the spine silver line

Back Side (+): Full surface aluminum back surface field, 3 sections 2.0mm silver anode.

3. Features:

Rigorous standards and finger design, effectively reducing the power loss in the module package.

Strict appearance standards, improve the passing rate of module production.

Unique cell structure designed to effectively reduce the module production breaking rate.

Lower reverse leakage, effectively improve the stability of the module.

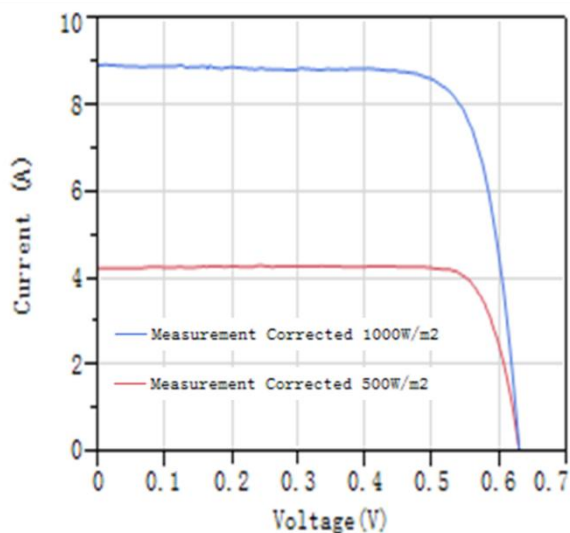
Strict pulling force test, to ensure a good weld ability.

Excellent anti-PID performance to ensure the stability of the module power.

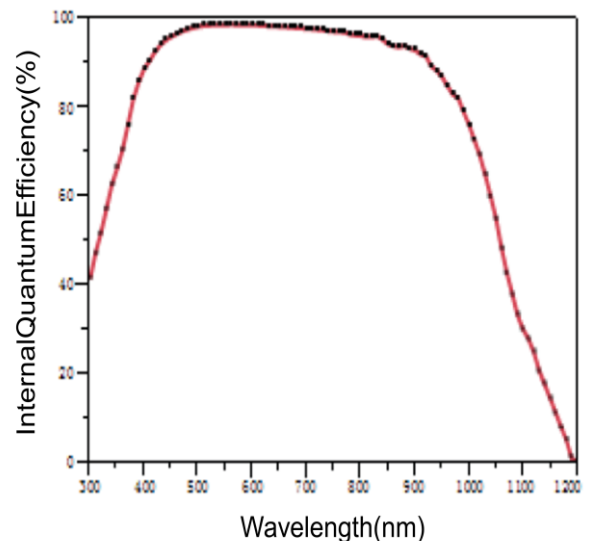
4. Electrical Characteristics:

Eff(%)	Pmpp(W)	Ump(V)	Impp(A)	Voc(V)	Isc(A)	FF(%)
18.9-19.0	4.64	0.536	8.657	0.638	9.185	79.18
18.8-18.9	4.62	0.535	8.636	0.637	9.162	79.16
18.7-18.8	4.59	0.534	8.596	0.636	9.108	79.24
18.6-18.7	4.57	0.533	8.574	0.634	9.105	79.17
18.5-18.6	4.55	0.531	8.550	0.633	9.062	79.15
18.4-18.5	4.52	0.530	8.528	0.633	9.057	78.84
18.3-18.4	4.50	0.528	8.504	0.632	9.024	78.73
18.2-18.3	4.47	0.528	8.466	0.630	9.035	78.53
18.1-18.2	4.45	0.525	8.476	0.629	9.030	78.35
18.0-18.1	4.42	0.523	8.451	0.626	8.989	78.55
17.9-18.0	4.40	0.520	8.462	0.624	8.991	78.43
17.8-17.9	4.37	0.519	8.420	0.623	8.968	78.22
17.6-17.8	4.32	0.517	8.356	0.622	8.891	78.12
17.4-17.6	4.27	0.513	8.324	0.622	8.939	76.80
17.2-17.4	4.23	0.511	8.278	0.616	8.801	78.02
17.0-17.2	4.20	0.509	8.251	0.610	8.802	78.22

5. IV-Curve:



6. Spectral Response:



7. Temperature coefficients:

TkVoltage(mV/K) : -0.33

TkCurrent(mA/K) : 0.04

TkPower(%/K) :-0.38

8. Light Intensity Dependence :

Intensity (W/m ²)	Vmpp	Impp
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1000	1.000	1.000
800	0.990	0.801
600	0.977	0.600
200	0.923	0.195

Ratio of Vmpp(Impp) at reduced intensity to Impp (Vmpp) at 1000 (W/m²)
