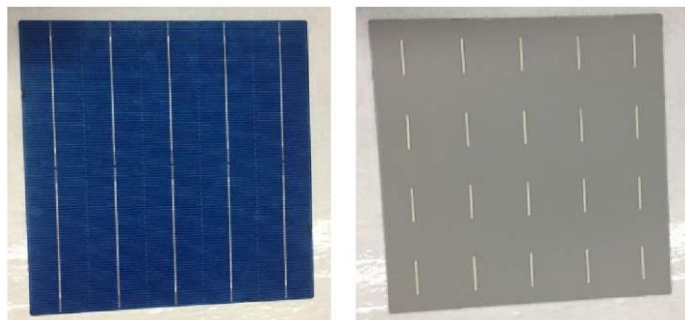


157mmx157mm

HN-157P

Ha Noi Solar poly-crystalline silicon cell



Model:HN-157P

5BUS BAR Poly-crystalline  
Silicon Cell

Mechanical data and design

Format	157mmx157mm±0.25mm
Thickness(Si)	200µm±20µm/180µm±20µm
Fornt (-)	0.7mm bus bars(silver),SiNx blue coating
Back (+)	1.6mm soldering pads(silver)

Temperature coefficients

TkVoltage	-0.34%/k
TkCurrent	+0.05%/k
TkPower	-0.4%/k

Date under standard testing conditions(STC):1000W/m<sup>2</sup>,AM1.5,25°C

No.	Eff.(%)	Pmpp(W)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)	FF(%)
1	19.6	4.816	0.552	8.758	0.648	9.24	80.43
2	19.0	4.67	0.554	8.548	0.637	9.126	80.39
3	18.9	4.65	0.545	8.520	0.636	9.108	80.23
4	18.8	4.62	0.544	8.491	0.634	9.094	80.12
5	18.7	4.59	0.543	8.461	0.633	9.073	80
6	18.6	4.57	0.542	8.432	0.632	9.042	79.97
7	18.5	4.55	0.541	8.402	0.632	8.996	79.95
8	18.4	4.52	0.541	8.357	0.631	8.961	79.95
9	18.3	4.5	0.539	8.342	0.629	8.942	79.94
10	18.2	4.47	0.538	8.312	0.628	8.915	79.87
11	18.1	4.45	0.537	8.282	0.627	8.888	79.8
12	18	4.42	0.536	8.251	0.625	8.876	79.72
13	17.9	4.4	0.535	8.221	0.625	8.831	79.68
14	17.8	4.37	0.534	8.19	0.624	8.802	79.63
15	17.7	4.35	0.532	8.175	0.624	8.753	79.62
16	17.6	4.32	0.53	8.159	0.622	8.737	79.57
17	17.4	4.28	0.527	8.112	0.621	8.658	79.51
18	17.2	4.23	0.524	8.065	0.618	8.61	79.42
19	17	4.18	0.522	8.002	0.615	8.561	79.33
20	16.8	4.13	0.517	7.984	0.612	8.513	79.23

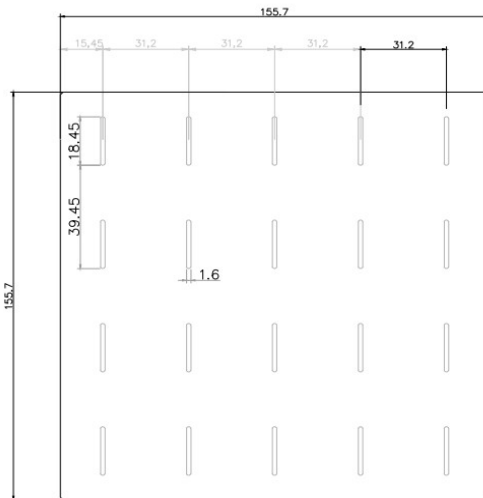
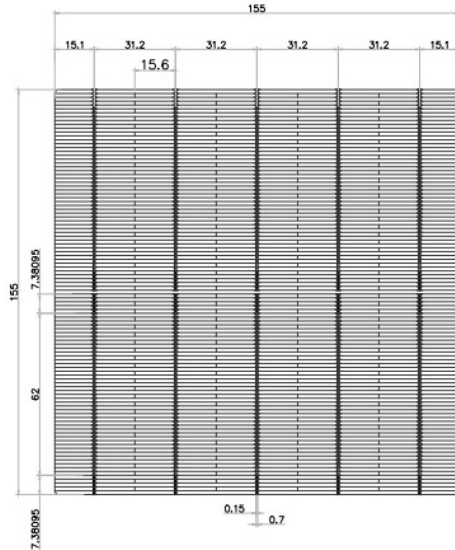
Date under standard testing conditions(STC):1000W/m<sup>2</sup>,AM1.5,25°C

Ha Noi solar technology company limited

157mm×157mm

HN-157P

Ha Noi Solar poly-crystalline silicon cell



### Solder Ability

Side	Peel strength
Front side average	>1.5N
Back side average	>2.5N
Minimum	>1.3N

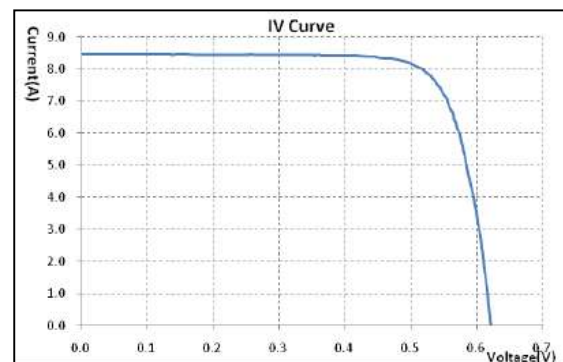
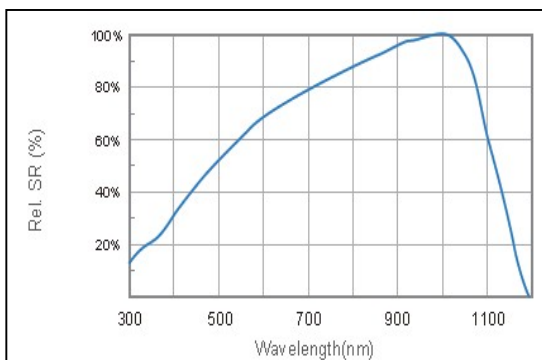
Ribbon width 1.2mm,solder at 300-400°C with no clean flux.

### Light intensity dependance

Intensity W/m <sup>2</sup>	V <sub>pm</sub>	I <sub>pm</sub>
1000	1	1
800	0.990	0.80
600	0.974	0.60
500	0.970	0.50
400	0.959	0.40
200	0.932	0.20
100	0.910	0.10

V<sub>pm</sub>=maximum power voltage

I<sub>pm</sub>= maximum power current



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