

TPP3-156 3BB

MULTICRYSTALLINE SILICON SOLAR CELL

High-efficiency Poly Cells. Manufacturing modules with more than **265Wp (6x10)** and **315Wp (6x12)** power output becomes easier than ever.

MECHANICAL DATA AND DESIGN

Format	156mm×156mm±0.5mm
Thickness	210μm±30μm
Front(-)	1.1 mm bus bars(silver), blue anti-reflecting coating(silicon nitride)
Back(+)	1.6 mm wide soldering pads(silver) back surface field(aluminum)

TEMPERATURE COEFFICIENTS

TkVoltage	-0.35%/K
TkCurrent	+0.06%/K
TkPower	-0.42%/K

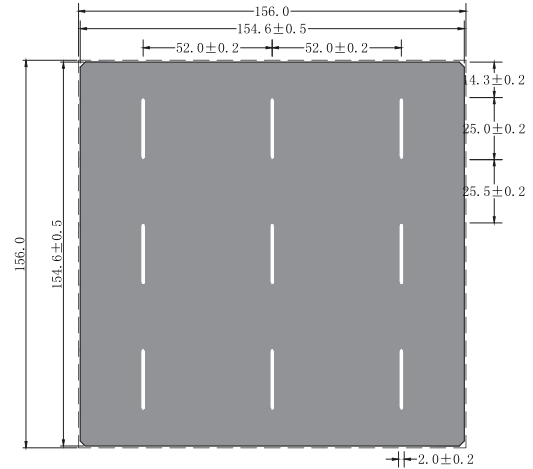
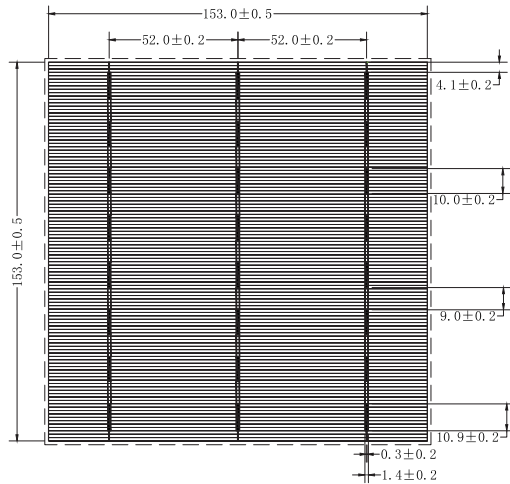
No.	Efficiency(%)	Pmpp(W)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)	FF(%)
10	18.50-19.00	4.50	0.541	8.306	0.643	8.825	79.31
09	18.40-18.50	4.48	0.540	8.277	0.642	8.806	79.29
08	18.30-18.40	4.46	0.539	8.256	0.640	8.785	79.22
07	18.20-18.30	4.43	0.538	8.238	0.638	8.765	79.16
06	18.10-18.20	4.41	0.536	8.220	0.637	8.746	79.08
05	18.00-18.10	4.38	0.534	8.200	0.635	8.725	79.00
04	17.90-18.00	4.36	0.533	8.180	0.634	8.711	78.86
03	17.80-17.90	4.33	0.531	8.161	0.633	8.692	78.75
02	17.70-17.80	4.31	0.529	8.141	0.632	8.678	78.61
01	17.60-17.70	4.29	0.528	8.113	0.631	8.653	78.55

Specifications subjects to technical changes and tests, Taipo Energy reserves the right of final interpretation.

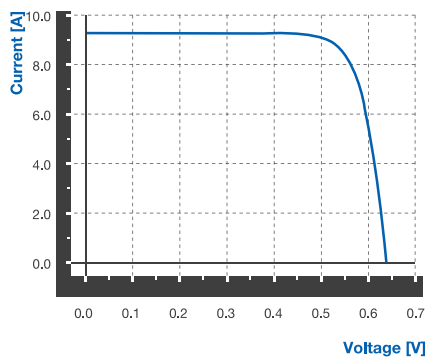
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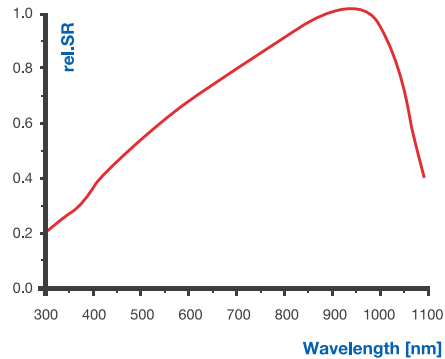
MULTICRYSTALLINE SILICON SOLAR CELLS



IV CURVE



SPECTRAL RESPONSE



INTENSITY DEPENDENCE

Intensity [W/m ²]	Isc*	Voc*	Pmpp
1000	1.00	1.00	1.00
900	0.90	0.99	0.90
800	0.80	0.99	0.79
500	0.50	0.97	0.49
300	0.30	0.94	0.29
200	0.20	0.91	0.19

*Ratio of Voc(Isc) at reduced intensity to Voc(Isc) at 1000 W/m²