

TPP4-156.75 4BB

MULTICRYSTALLINE SILICON SOLAR CELL

MECHANICAL DATA AND DESIGN

Format	156.75mm×156.75mm±0.25mm
Thickness	200μm±20μm
Front(-)	1.1 mm bus bars(silver), blue anti-reflecting coating(silicon nitride)
Back(+)	2.1 mm wide soldering pads(silver) back surface field(aluminum)

TEMPERATURE COEFFICIENTS

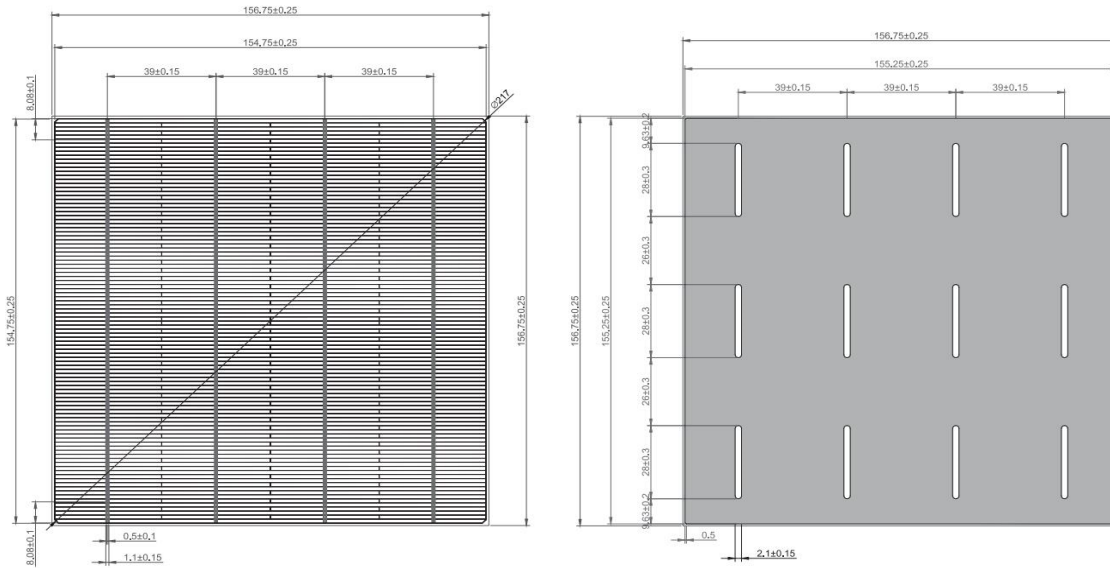
TkVoltage	-0.35%/K
TkCurrent	+0.06%/K
TkPower	-0.42%/K

No.	Efficiency(%)	Pmpp(W)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)
08	19.00	4.67	0.545	8.564	0.654	9.124
07	18.80	4.62	0.542	8.521	0.650	9.077
06	18.60	4.57	0.541	8.447	0.636	8.886
05	18.40	4.52	0.540	8.376	0.635	8.864
04	18.30	4.50	0.539	8.349	0.634	8.836
03	18.20	4.47	0.537	8.327	0.633	8.814
02	18.10	4.45	0.535	8.309	0.631	8.795
01	18.00	4.42	0.534	8.284	0.630	8.770

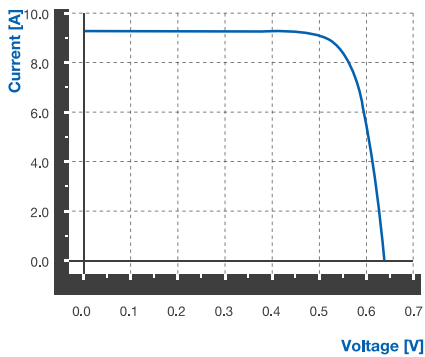
Specifications subjects to technical changes and tests, Taipo Energy reserves the right of final interpretation.

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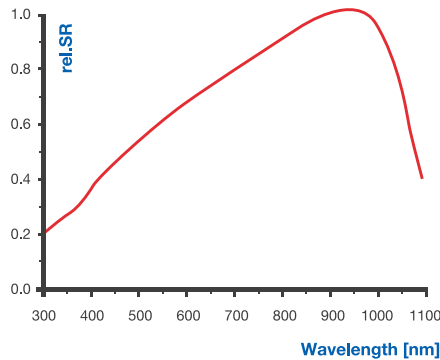
MULTICRYSTALLINE SILICON SOLAR CELLS



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