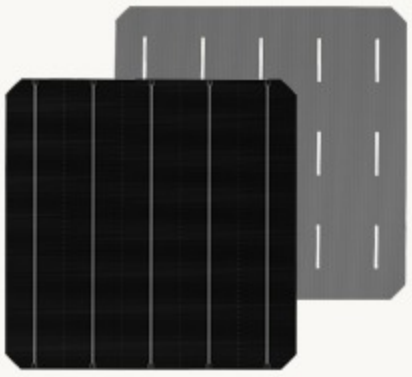
M2 Mono PERC 5BB (Special for all black module)

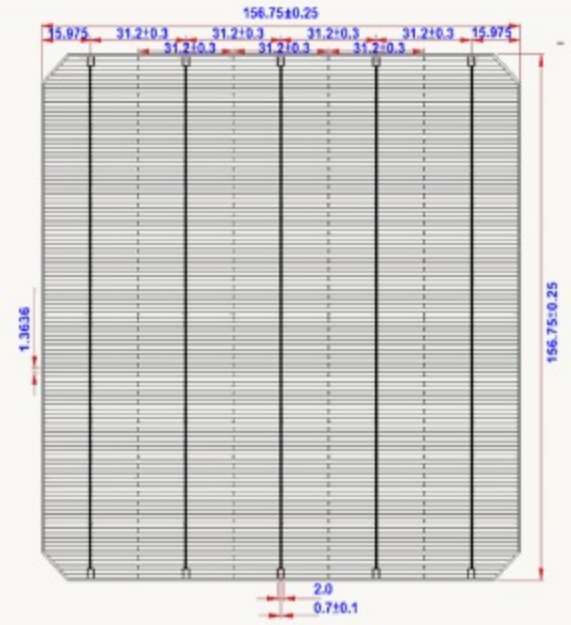


◆ Solar Cell (High Efficiency) Specifications

Dimension	Thickness	Front	Back
156.75 mm x 156.75 mm ± 0.25 mm	180 μm ± 20 μm	Blue silicon nitride anti-reflection coatings	Full-Surface aluminum BSF, 4x3 soldering pads
		5 silver bus-bars (0.7 ± 0.1 mm),115 fingers	1.7 ± 0.1 mm wide Silver / Aluminum bus-bar

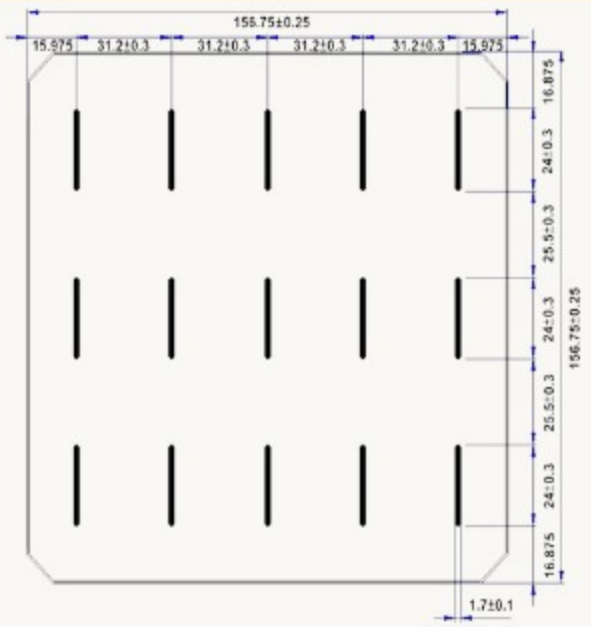
◆ Features

- Uniform Color.
- Low breakage rate.
- High conversion efficiencies resulting.
- Superior output power in any condition.
- 100% inspected performance of products.
- All products conform to the regulation of RoHS.
- Excellent mechanical performance proven by all customers.
- Regularly monitor product performance and soldering properties.
- Less power deviation of modules ensured by precise matching of cells, sorted 100% in narrow current classes at constant test voltage.



◆ Production and Quality Control

- 100% PID Resistance.
- Precision cell efficiency sorting procedures.
- Reverse current and shunt resistance screening.
- Stringent criteria for color uniformity and appearance.
- 100% in-line inspection for optical.



◆ Electrical Performance

Efficiency Code		219	218	217	216	215	214	213	212	211
Efficiency	Eff (%)	21.90	21.80	21.70	21.60	21.50	21.40	21.30	21.20	21.10
Power	Pmpp (W)	5.350	5.326	5.302	5.277	5.253	5.228	5.204	5.179	5.155
Max Power Voltage	Vmp (V)	0.574	0.572	0.571	0.569	0.567	0.565	0.564	0.562	0.560
Max Power Current	Imp (A)	9.321	9.309	9.286	9.275	9.264	9.253	9.227	9.215	9.205
Open Circuit Voltage	Voc (V)	0.667	0.666	0.665	0.663	0.661	0.660	0.658	0.657	0.655
Short Circuit Current	Isc (A)	9.812	9.804	9.792	9.777	9.762	9.745	9.729	9.713	9.701

* Standard Testing conditions(STC): 1000 W/㎡, AM 1.5, 25 °C, Tolerance: Efficiency ± 0.2% abs., Pmpp ±1.5% rel.
* The measurement of cell is calibrated by Fraunhofer ISE.