



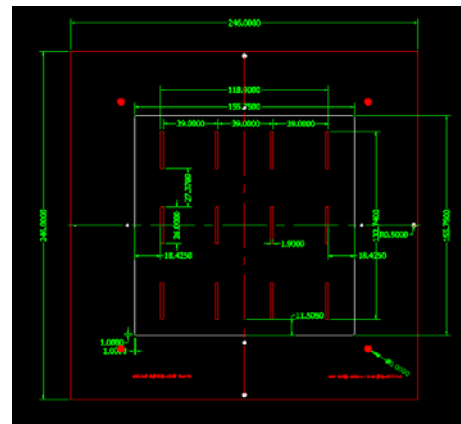
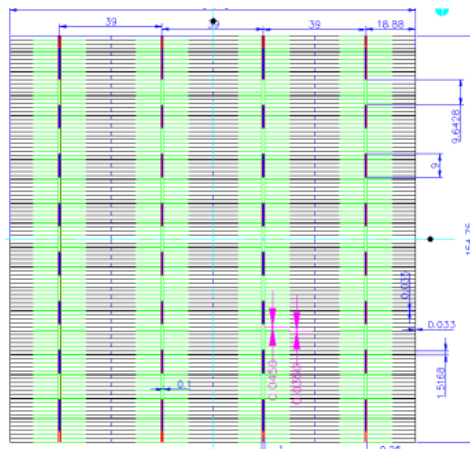
Features

1. High-efficiency solar cells with an isotropically-etched surface
2. Silicon nitride anti-reflective coating to lock more sunlight and convert it into electrical energy
3. Silver front contact bars and full surface aluminum back contact field
4. Low power loss to ensure long-term stable component power output
5. Low fragmentation rate
6. Low LID
7. High quality appearance & color uniformity

Physical Characteristics

Dimension	156.75mm*156.75mm±0.25mm
Thickness	200±20µm
Front	4*1mm busbars (silver), 103 finger grids, blue anti-reflecting coating (silicon nitride)
Back(+)	1.9mm wide soldering pads (silver), back surface field (aluminum)

Cell Layout



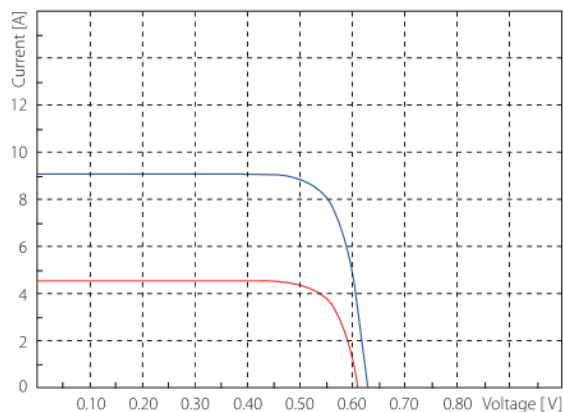
Electrical Characteristics

NO	Efficiency (%)	Pump (w)	Umpp (v)	Impp (A)	Uoc (V)	Isc (A)	FF (%)
BQ-188	18.8%	4.62	0.543	8.537	0.639	8.967	80.15
BQ-187	18.7%	4.59	0.542	8.492	0.637	8.939	80.17
BQ-186	18.6%	4.57	0.540	8.467	0.635	8.915	80.15
BQ-185	18.5%	4.55	0.539	8.434	0.634	8.898	80.19
BQ-184	18.4%	4.52	0.538	8.323	0.633	8.859	79.97
BQ-183	18.3%	4.50	0.537	8.298	0.632	8.828	79.92
BQ-182	18.2%	4.47	0.535	8.273	0.631	8.802	79.88
BQ-181	18.1%	4.45	0.534	8.248	0.630	8.777	79.75
BQ-180	18.0%	4.42	0.533	8.228	0.628	8.752	79.56

Temperature Characteristics

TkUoc (%/K)	-0.36
TkIsc(%/K)	+0.06
TkPMAX(%/K)	-0.36

IV Curve



Spectral response

