Mono-CRYSTALLINE SOLAR CELL

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. PID resistance
7. High quality appearance & color uniformity

Physical Characteristics

Dimension	158.75mm*158.75mm±0.25mm
Thickness	200±20μm
Front	0.7mm silver bus bars, blue silicon nitride anti-reflecting coating
Back(+)	1..6mm wide soldering pads (silver) back surface (aluminum)

Cell Layout

Electrical Characteristics

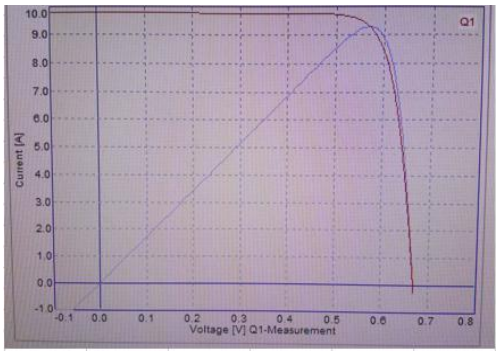
sales@bqsolartech.com | **www.bqltd.com**

Current temperature coefficient	+0.0002%/℃
Voltage temperature coefficient	-0.0032%/℃
Power temperature coefficient	-0.41%/℃

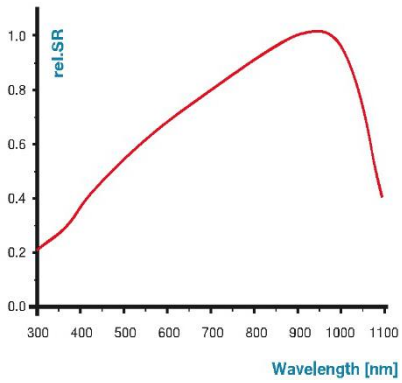
NO	Efficiency (%)	Pmmp (w)	Umpp (v)	Impp (A)	Uoc (V)	Isc (A)
1	22.1	5.54	0.571	9.700	0.676	10.266
2	22.0	5.51	0.569	9.689	0.675	10.256
3	21.9	5.49	0.567	9.680	0.673	10.251
4	21.8	5.46	0.565	9.668	0.671	10.242
5	21.7	5.44	0.564	9.656	0.669	10.232
6	21.6	5.41	0.562	9.642	0.667	10.222
7	21.5	5.39	0.560	9.633	0.665	10.210
8	21.4	5.36	0.558	9.614	0.663	10.193
9	21.3	5.34	0.556	9.607	0.662	10.180
10	21.2	5.31	0.554	9.596	0.660	10.172

Temperature Coefficients

IV Curve



Spectral response



sales@bqsolartech.com | **www.bqltd.com**