

Diamond Series

Features Performance and Quality

- Industry-Leading efficiency of P-type mono-crystalline silicon solar cell
- Robust reliability performance for potential module benefit beyond 25 years
- Compatible with present mainstream module manufacturing process
- Standard cells calibrated by Fraunhofer ISE
- 100% in-line optical and electrical inspection

G156S4 6" Monocrystalline Silicon Solar Cell

Pattern Code **4BB CE**

PHYSICAL CHARACTERISTICS

Dimensions 156.75mm × 156.75mm ± 0.25mm (D:210mm)

Thickness (Si) 200μm +/- 20μm

Front Alkaline textured, SiNx anti-reflecting coating,
Color: Dark Blue 1, Indigo, Indigo 1 & Black Blue
4 Bus-bars (Segmented) with 1.0 mm ± 0.1mm width
Distance between bus-bars: 39 mm

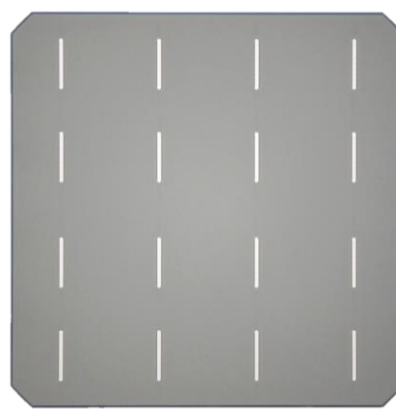
Back Aluminum local back surface field
4 Bus-bars (Segmented) with 1.8 mm ± 0.1mm width
Distance between bus-bars: 39 mm

ELECTRICAL CHARACTERISTICS

Code		21.6	21.5	21.4	21.3	21.2	21.1	21.0	20.9	20.8	20.6
Power	[W]	5.28	5.25	5.23	5.20	5.18	5.16	5.13	5.11	5.08	5.03
Short Circuit Current	Isc [A]	9.85	9.84	9.83	9.83	9.82	9.81	9.81	9.81	9.81	9.78
Open Circuit Voltage	Voc [mV]	671	670	669	668	667	666	665	664	664	663
Current at 0.5V	[A]	9.74	9.73	9.71	9.70	9.69	9.68	9.66	9.65	9.63	9.60
Maximum Power Current	Impp [A]	9.30	9.30	9.29	9.28	9.26	9.24	9.24	9.23	9.22	9.19
Maximum Power Voltage	Vmpp [mV]	568	566	564	562	561	559	557	555	553	551
Fill Factor	[%]	79.96	79.77	79.62	79.45	79.29	79.13	78.91	78.64	78.30	78.10
Temperature Coefficients	Isc: 0.047%/°C, Voc: -0.323%/°C, FF: -0.117%/°C, Power: -0.414%/°C										

The above data are average figures presently measured. Accuracy of eff. measurement is ±0.1%.
Reference data are calibrated by Fraunhofer ISE Freiburg.

APPEARANCE



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