

Diamond Series

Features Performance and Quality

- Industry-Leading efficiency on P-type mono-crystalline solar silicon 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

G156S3 6" Monocrystalline Silicon Solar Cell

Pattern Code **3BB C3**

PHYSICAL CHARACTERISTICS

Dimensions 156.75mm × 156.75mm ±0.5mm (D:210mm)
Front Alkaline textured, SiNx anti-reflecting coating,
 Color: Light Blue, Blue, Dark Blue & Indigo
 3 bus-bars(Honeycomb) with 1.5 mm ± 0.1mm width
 Distance between bus-bars: 52 mm

Thickness (Si) 200µm +/- 20µm
Back Aluminum local back surface field
 3 bus-bars(Segmented) with 2.4 mm ± 0.1mm width
 Distance between bus-bars: 52 mm

ELECTRICAL CHARACTERISTICS

Code		21.00	20.80	20.60	20.40	20.20	20.00
Power	[W]	5.13	5.08	5.03	4.98	4.94	4.89
Short Circuit Current	Isc [A]	9.72	9.71	9.65	9.63	9.62	9.59
Open Circuit Voltage	Voc[mV]	665	662	660	659	656	651
Current at 0.5V	[A]	9.60	9.57	9.50	9.47	9.43	9.38
Maximum Power Current	Impp[A]	9.15	9.14	9.07	9.05	9.03	9.01
Maximum Power Voltage	Vmpp[mV]	561	557	556	554	550	545
Fill Factor	[%]	79.39	79.23	79.15	78.96	78.72	78.72
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

