



Diamond Series

Features Performance and Quality

- Industry-Leading efficiency on 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

G156S3

6" Monocrystalline Silicon Solar Cell

Pattern Code : 3BB C3

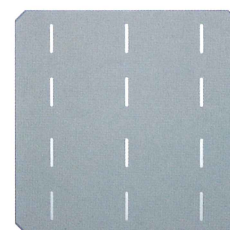
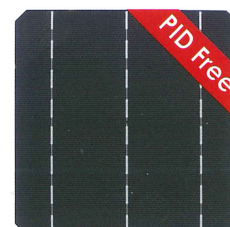
PHYSICAL CHARACTERISTICS

Dimensions	156.75mm × 156.75mm ±0.5mm (D:210mm)	Thickness (Si)	200μm +/- 20μm
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	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		20.60	20.40	20.20	20.00
Power	[W]	5.03	4.98	4.94	4.89
Short Circuit Current	Isc [A]	9.67	9.65	9.63	9.61
Open Circuit Voltage	Voc [mV]	657	656	654	651
Current at 0.5V	[A]	9.53	9.49	9.46	9.42
Maximum Power Current	Impp [A]	9.12	9.10	9.07	9.05
Maximum Power Voltage	Vmpp [mV]	554	551	550	546
Fill Factor	[%]	79.47	79.25	79.05	78.83
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.



G156S4

6" Monocrystalline Silicon Solar Cell

Pattern Code : 4BB DA

PHYSICAL CHARACTERISTICS

Dimensions	156.75mm × 156.75mm ±0.5mm (D:210mm)	Thickness (Si)	200μm +/- 20μm
Front	Alkaline textured, SiNx anti-reflecting coating, Color: Light Blue, Blue, Dark Blue & Indigo 4 bus-bars(Continuous) 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		20.80	20.60	20.40	20.20	20.00
Power	[W]	5.08	5.03	4.98	4.94	4.89
Short Circuit Current	Isc [A]	9.66	9.63	9.60	9.55	9.54
Open Circuit Voltage	Voc [mV]	661	658	654	653	648
Current at 0.5V	[A]	9.60	9.57	9.54	9.52	9.49
Maximum Power Current	Impp [A]	9.13	9.10	9.08	9.04	9.03
Maximum Power Voltage	Vmpp [mV]	557	554	551	550	545
Fill Factor	[%]	79.49	79.38	79.28	79.12	79.06
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.

