

## 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 - PID Free

Pattern Code **4BB CE**

### PHYSICAL CHARACTERISTICS

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

**Thickness (Si)** 200µm +/- 30µm

**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

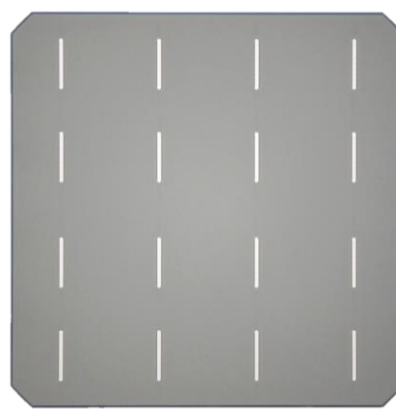
**Back** Aluminum local back surface field  
4 Bus-bars (Segmented) with 1.8 mm ± 0.1mm width  
Distance between bus-bars: 39 mm

### 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



#### GINTECH ENERGY CORPORATION

9F, No 295, Sec 2, Tiding Blvd, Taipei, Taiwan

#### GINTECH (Thailand) Limited

Navanakorn Industrial Estate, Moo 20, 101/32-33  
Paholyothin Road, KM 46, Krongneung, Krongloun,  
Phatumthani 12120, Thailand

[www.gintechenergy.com](http://www.gintechenergy.com)