

Douro Series

Features Performance and Quality

- Superior light utilization & higher current density achieved by standard process and materials.
- All products passed in-line optical inspection.
- 100% inspected for shunt resistance and reverse current.
- Standard cells calibrated by Fraunhofer ISE.
- Regularly monitor product performance and soldering properties.
- Excellent mechanical performance proven by all customers.
- All products conform to the regulation of RoHS.

G156S4 6" Monocrystalline Silicon Solar Cell

Pattern Code **4BB C5**

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
 4 bus-bars (Segmented) with 1.0 mm ± 0.1mm width
 Distance between bus-bars: 39 mm

Thickness (Si) 200µm +/- 20µm
Back Aluminum back surface field
 4 bus-bars (Segmented) with 1.8 mm ± 0.1mm width
 Distance between bus-bars: 39 mm

ELECTRICAL CHARACTERISTICS

Code		20.00	19.80	19.60	19.40	19.20
Power	[W]	4.89	4.84	4.79	4.74	4.69
Short Circuit Current	Isc [A]	9.43	9.42	9.41	9.35	9.34
Open Circuit Voltage	Voc[mV]	645	643	642	639	637
Current at 0.5V	[A]	9.26	9.25	9.22	9.13	9.11
Maximum Power Current	Imp[A]	8.90	8.89	8.87	8.81	8.79
Maximum Power Voltage	Vmpp[mV]	550	547	544	541	538
Fill Factor	[%]	80.47	80.29	79.92	79.76	79.48
Temperature Coefficients	Isc : 0.050 %/°C Voc : - 0.331 %/°C FF : - 0.124 %/°C Power : - 0.415 %/°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

