

## 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.

## G156S3 6" Monocrystalline Silicon Solar Cell

Pattern Code **3BB C3**

### PHYSICAL CHARACTERISTICS

**Dimensions** 156.75mm × 156.75mm ± 0.5mm (D: 210)

**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 back surface field  
3 bus-bars(Segmented) with 2.4 mm ± 0.1mm width  
Distance between bus-bars: 52 mm

### ELECTRICAL CHARACTERISTICS

Code		19.80	19.60	19.40	19.20	19.00
Power	[W]	4.84	4.79	4.74	4.69	4.64
Short Circuit Current	Isc [A]	9.38	9.36	9.31	9.28	9.26
Open Circuit Voltage	Voc[mV]	644	643	641	637	633
Current at 0.5V	[A]	9.21	9.18	9.12	9.06	9.01
Maximum Power Current	Impp[A]	8.86	8.83	8.78	8.75	8.72
Maximum Power Voltage	Vmpp[mV]	547	546	544	539	535
Fill Factor	[%]	80.11	80.04	79.95	79.81	79.70
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

