Draft Version, 2015/05/28

Douro Series – PID free

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.

G156M3 6”Multicrystalline Silicon Solar Cell

Pattern Code **3BB C6**

PHYSICAL CHARACTERISTICS

Dimensions 156mm × 156mm ± 0.5mm
Front SiNx anti-reflecting coating,
Color: Ocean Blue, Blue, Dark Blue & Indigo Blue
3 Bus-bars (Segmented) with 1.5 mm ± 0.1mm width
Distance between bus-bars: 52 mm

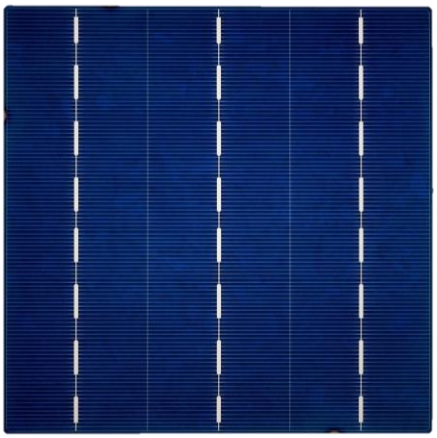
Thickness (Si) 200µm +/- 20µm
Back Aluminum back surface field
3 Bus-bars (Segmented) with 2.4 mm ± 0.1mm width
Distance between bus-bars: 52 mm

ELECTRICAL CHARACTERISTICS

Code		18.20	18.00	17.80	17.60	17.40
Power	[W]	4.43	4.38	4.33	4.28	4.23
Short Circuit Current	Isc [A]	8.80	8.75	8.71	8.68	8.64
Open Circuit Voltage	Voc[mV]	634	631	629	627	624
Current at 0.5V	[A]	8.58	8.52	8.47	8.43	8.37
Maximum Power Current	Impp[A]	8.31	8.24	8.22	8.18	8.12
Maximum Power Voltage	Vmpp[mV]	534	533	529	527	525
Fill Factor	[%]	79.63	79.51	79.34	79.21	79.12
Temperature Coefficients	Isc : 0.050%/℃ Voc : - 0.341%/℃ FF : - 0.114%/℃ Power : - 0.424%/℃					

The above data are average figures presently measured. Accuracy of eff. measurement is ±0.1%.
Reference data are calibrated by Fraunhofer ISE Freiburg.

APPEARANCE



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