

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.

G156M4 6"Multicrystalline Silicon Solar Cell

PHYSICAL CHARACTERISTICS

ELECTRICAL CHARACTERISTICS

Dimensions 156mm × 156mm ±0.5mm Front SiNx anti-reflecting coating, Color: Ocean Blue, Blue, Dark Blue & Indigo Blue 4 bus-bars (Segmented) with 1.0 mm ± 0.1 mm width Distance between bus-bars: 39 mm

Thickness (Si) 200μm +/- 20μm

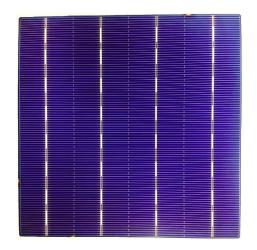
Back Aluminum back surface field 4 bus-bars (Segmented) with 1.8 mm ± 0.1mm width

Distance between bus-bars: 39 mm

Code		18.60	18.40	18.20	18.00	17.80
Power	[W]	4.53	4.48	4.43	4.38	4.33
Short Circuit Current	Isc [A]	8.92	8.87	8.84	8.80	8.75
Open Circuit Voltage	Voc[mV]	636	634	632	630	628
Current at 0.5V	[A]	8.72	8.64	8.60	8.54	8.47
Maximum Power Current	Impp[A]	8.44	8.40	8.36	8.32	8.28
Maximum Power Voltage	Vmpp[mV]	538	534	532	530	528
Fill Factor	[%]	79.96	79.85	79.72	79.63	79.56
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The above data are average figures presently measured. Accuracy of eff. measurement is $\pm 0.1\%$. Reference data are calibrated by Fraunhofer ISE Freiburg.

APPEARANCE







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