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

Dimensions 156mm × 156mm ±0.5mm Front SiNx anti-reflecting coating,

Color: Ocean Blue, Blue, Dark Blue & Indigo Blue 4 bus-bars(Continuous) with 1.0 mm ± 0.1mm width Distance between bus-bars: 39 mm

[W]

Isc [A]

ELECTRICAL CHARACTERISTICS

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

18.00

4.38

8.80

630

18.20

4.43

8.84

632

Open Circuit Voltage Voc[mV] Current at 0.5V 8.72 8.64 8.60 8.54 8.47 [A] 8.36 8.28 8 4 4 8 4 0 8.32 Maximum Power Current Impp[A] Maximum Power Voltage Vmpp[mV] 538 534 532 530 528 Fill Factor [%] 79.96 79.85 79.72 79.63 79.56 Isc: 0.050%/°C Voc: - 0.341%/°C FF: - 0.114%/°C Power: - 0.424%/°C Temperature Coefficients

18.40

4.48

8.87

634

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

18.60

4.53

8.92

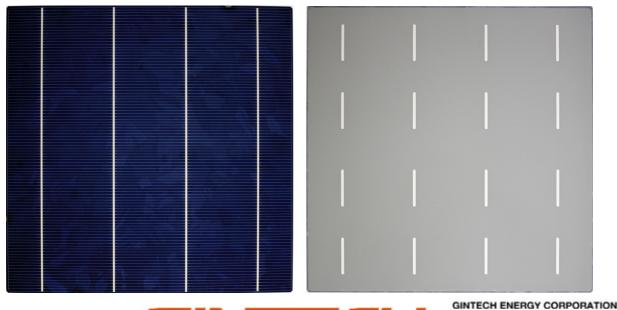
636

APPEARANCE

Code

Power

Short Circuit Current





9F. No 295, Sec 2, Tiding Blvd, Taipei, Taiwan Tel:+886-2-2656-2000 Fax:+886-2-2656-0593



Pattern Code 4BB DA

17.80

4.33

8.75

628