

230 Watt - 250 Watt monocrystalline module - NRG 60



Product Overview:

Eclipsall's NRG modules are optimally manufactured and designed to meet the unique demands of the Ontario market.

Ideal for commercial and residential grid-tied roof systems as well as ground-mounted arrays.

Designed to withstand rigorous operating conditions, this module offers high power output per square foot.

Superior Performance

- Module efficiency of over 17%
- Positive power tolerance (0% to 2%)

Quality and Expertise

- Eclipsall utilizes high-quality materials, equipment and expertise to deliver best-in-class PV modules

10-Year Workmanship Warranty

Industry-Leading Performance Warranty

Linear degradation over a 25 year period

- 97% of the Rated Maximum Power at year 1
- At least 94.9% at year 3
- At least 83% at year 20

Engineering Excellence

- Globally recognized European manufacturing technology delivering a module with industry-leading efficiency

Eclipsall Energy Corp.

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Manufactured in:



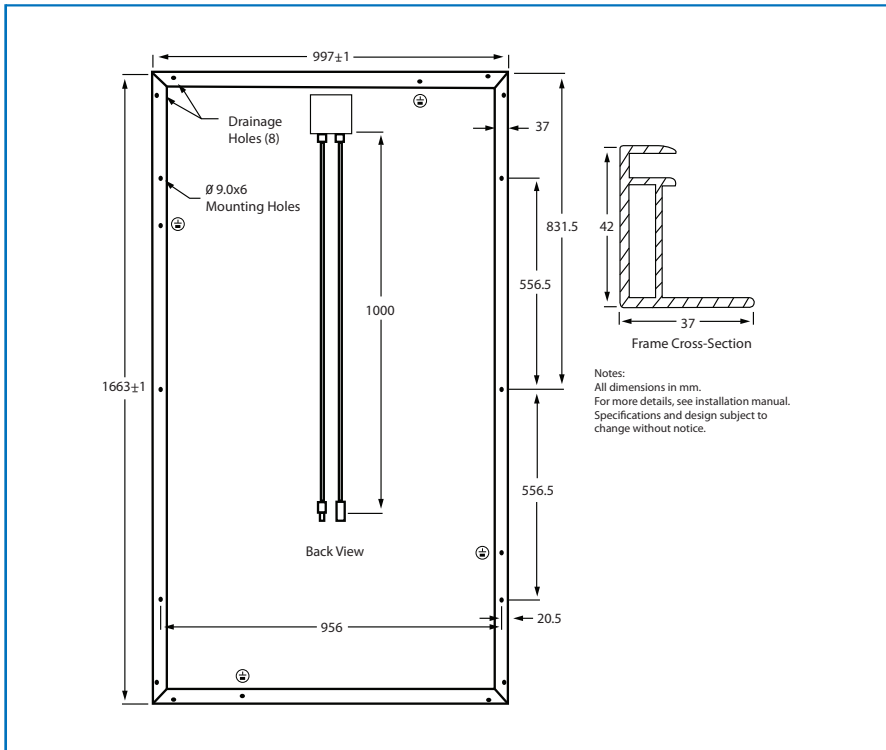
Crystalline Solar Module

Performance Classes	230Wp, 235Wp, 240Wp, 245Wp, 250Wp
Performance Sorting	+2%
Cells	60x monocrystalline solar cells, 3 bus bar
Structure	<ul style="list-style-type: none"> • Glass – EVA – Solar Cells – EVA – Backsheet • Tempered low iron 4 mm glass • Multi-layer composite film backsheet • Anodized aluminum frame • Tyco junction box (IP65 rated) • SOLARLOK rear connections (IP67 rated)

Electrical Parameters

	230	235	240	245	250
Rated Maximum Power at STC(W)	230W	235W	240W	245W	250W
Open Circuit Voltage (Voc/V)	36.75	36.82	36.97	37.18	37.38
Maximum Power Voltage (Vmp/V)	29.79	30.00	30.20	30.26	30.32
Short-Circuit Current (Isc/A)	8.54	8.62	8.71	8.76	8.79
Maximum Power Current (Imp/A)	7.73	7.85	7.97	8.12	8.26
Power Tolerance	0% to +2%				

Dimensions



Weak Light Performance

Intensity (W/m ²)	VMPP (%)	IMPP (%)
800	0.0	-20
600	-0.8	-40
400	-2.2	-60
200	-4.9	-80

Mechanical Parameters

Cell (mm)	Mono 156x156
Weight (Kg)	22
Dimensions (LxWxH)(mm)	1663x997x42
Cable Length (mm)	>1,000
Cable cross-section size (mm ²)	4
Cells and connections	60(10x6)
Bypass diodes	3
Packing configuration	25pcs/carton

Working Conditions

Maximum System Voltage	UL 600V/ IEC 1,000 V
Operating Temperature	-40 to 85°C
NOCT	45+/-2°C

Notes

* All modules manufactured by Eclipsall will undergo flash testing and will be sorted accordingly.

* Power Specification under Standard Test Conditions (STC): 1,000 W/m²; 25°C; AM 1.5