



## Quality Without Compromise

At Eclipsall, we've made a company wide commitment to quality and we meet that commitment every day. At our state-of-the-art facility located in Toronto, our dedication to superior quality and performance extends to every aspect of our operation. We use Tier 1 European manufacturing technology to produce best-in-class solar modules. We offer 100% defect detection and flash testing with output sorting, again ensuring maximum performance and quality. Combine this with superior performance, a flexible range of product options and features, an industry leading 25 year linear performance warranty and you have it – a superior solar module from a company that prides itself on delivering only the best.

## Superior Performance

- Module efficiency up to 15%
- Positive power tolerance range 0 to 5W maximizing value per watt
- 3 bus bar design provides higher power output and increased performance

## Product Features

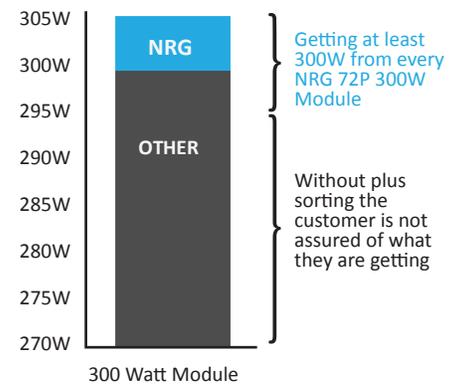
- 4mm anti-reflective solar glass\* on all panels to provide greater strength, and to reduce solar energy lost from sunlight reflection and improve light transmittance
- Impact and load tested to 5400Pa
- 2mm thick anodized aluminum frame with low profile weather-edge providing easier run-off for rain, snow and debris

## Product Options

Eclipsall NRG modules are available in various frame and backsheet colour options.

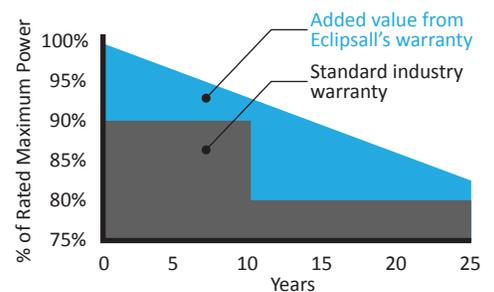
\*Regular low iron tempered glass available upon request

## Positive Power Sorting



## Industry Leading Warranty

Eclipsall provides a 25-year linear performance guarantee



## Electrical Data

Type	NRG72 275P	NRG72 280P	NRG72 285P	NRG72 290P	NRG72 295P	NRG72 300P
Rated Maximum Power at STC - Pmax(W)	275W	280W	285W	290W	295W	300W
Maximum Power Voltage - Vmp(V)	35.92	36.45	36.96	37.21	37.63	37.86
Maximum Power Current - Imp(A)	7.65	7.68	7.71	7.79	7.84	7.92
Open Circuit Voltage - Voc(V)	44.35	44.43	44.51	44.68	44.85	44.98
Short Circuit Current - Isc(A)	8.51	8.57	8.65	8.7	8.76	8.83
NOCT	45+ / -2°C					
Operating Temperature	-40 to +85°C					
Max System Voltage	1000V (IEC) / 600V (UL)					
Fuse rating	15A					
Power Tolerance	0 to 5W					
Temperature Coefficients	Pmax	-0.449 %/°C				
	Voc	-0.311 %/°C				
	Isc	0.059 %/°C				

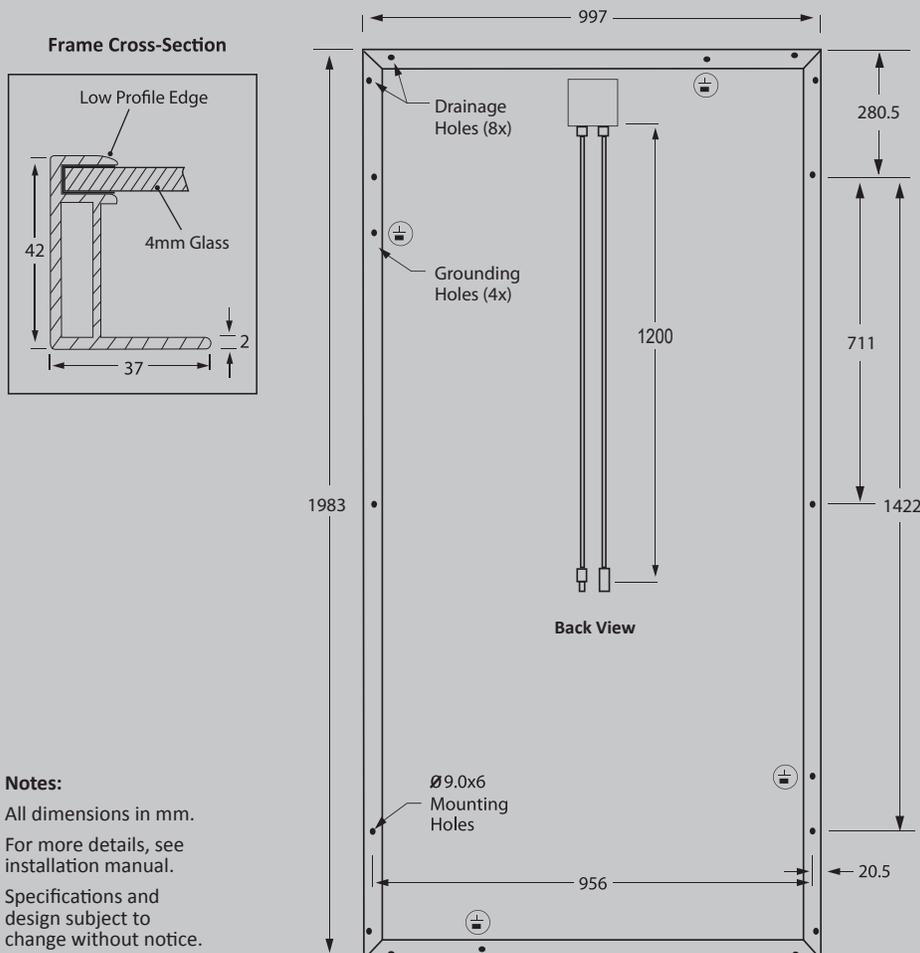
\*Note: Power specification under standard test conditions (STC) of irradiance of 1000 W/m<sup>2</sup>, spectrum AM = 1.5, and module temp of 25°C

## Module Design

Cell Type	Poly-crystalline, 3 Bus Bar
Cell Configuration	72 (156 x 156mm)
Dimensions (LxWxH)	1983 x 997 x 42mm
Weight	25kg
Frame	Extruded & Anodized Aluminum Profile
Solar Glass	4mm, Anti-Reflective Glass*
Encapsulation	Glass - EVA - Solar Cells - EVA - Backsheet
Backsheet	Dupont™ Tedlar® MultiLayer Composite Film
Junction Box	Tyco or Amphenol
Bypass Diodes	3 (SL1515)
Cable	4mm <sup>2</sup> (12 AWG), 1200mm length
Rear Connection	MC4 or SOLARLOK
Static Surface Load (Front/Back)	2400Pa
Max Surface Load (Heavy Snow)	5400Pa
Certifications	ANSI/UL 1703, ULC/ORD C-1703, IEC 61215, IEC 61730, UL 1703:2002 R4.08
Module Efficiency	Up to 15 %
Packaging (modules per pallet)	25 or as specified

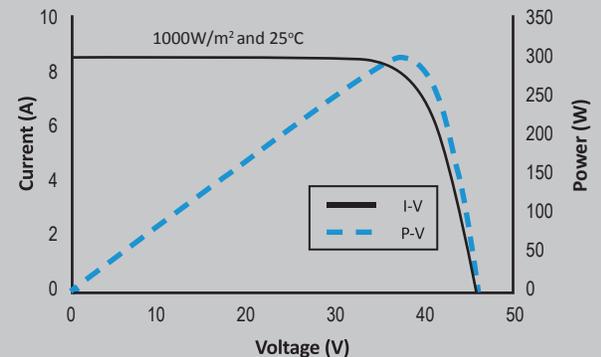
Note: All modules manufactured by Eclipsall will undergo flash testing and will be sorted accordingly  
\*Regular low iron tempered glass available upon request

## Dimensions



**Notes:**  
All dimensions in mm.  
For more details, see installation manual.  
Specifications and design subject to change without notice.

## I-V and P-V Curve



**Eclipsall Energy Corporation**  
5900 Finch Avenue East  
Toronto, Ontario, Canada M1B 5X7  
Tel: 416.716.3390  
info@eclipsall.com

[www.eclipsall.com](http://www.eclipsall.com)

