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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**XL Energy Ltd. (formerly XL Telecom & Energy Ltd.)**

**XL 6P72G300**

**XL 6P72G300**

Also available on the web at  
[EnergyPal.com/xl-energy-ltd-formerly-xl-telecom-energy-ltd-solar-panels/xl-6p72g300](http://EnergyPal.com/xl-energy-ltd-formerly-xl-telecom-energy-ltd-solar-panels/xl-6p72g300)



# XL ENERGY LIMITED

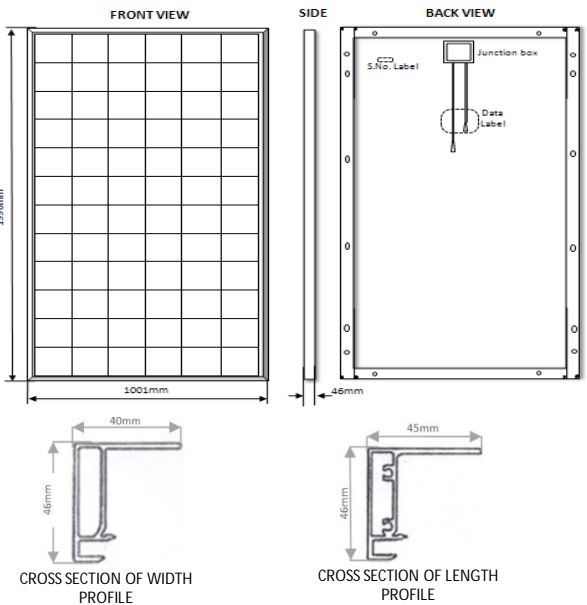
## DATA SHEET FOR XL6P72G300 MULTICRYSTALLINE PHOTOVOLTAIC MODULE

### ELECTRICAL CHARACTERISTICS

Maximum Power at STC (Pmax)	300 Wp (- 0, +5%)
Open-Circuit Voltage(Voc)	44.97V
Voltage at maximum power (Vmp)	36.98V
Short-Circuit Current (Isc)	8.62A
Current at maximum power (Imp)	8.11A
Max Module Efficiency	15.77%
Operating Temperature	- 40° C to +85° C
Maximum System Voltage	1000 V DC
Maximum Series Fuse Rating	15 A

STC: Irradiance 1000W/m<sup>2</sup>, Module temperature 25° C, AM 1.5

### PHYSICAL SPECIFICATIONS



### MECHANICAL DIMENSIONS

Solar Cell	Poly-Crystalline 156 x 156 mm
Cells per Module	72 (6 x 12)
Dimensions	1966 mm x 1001 mm
Weight	24.60 Kg
Front Glass	3.2 mm Tempered
Frame	Anodized Aluminium Frame (Double Walled)
Junction Box	IP65, TÜV, Rheinland certified
Output Cables	4.0 mm <sup>2</sup> asymmetrical lengths (-) 1250 mm and (+) 1000 mm

### TEMPERATURE COEFFICIENTS

Nominal Operating Cell Temperature (NOCT)	45 ±2° C
Temperature Coefficient of Pmax	-0.47 %/° C
Temperature Coefficient of Voc	-0.36 %/° C
Temperature Coefficient of Isc	0.056 %/° C

### CERTIFICATIONS

- IEC 61215, IEC 61730
- CE
- ISO 9001:2008

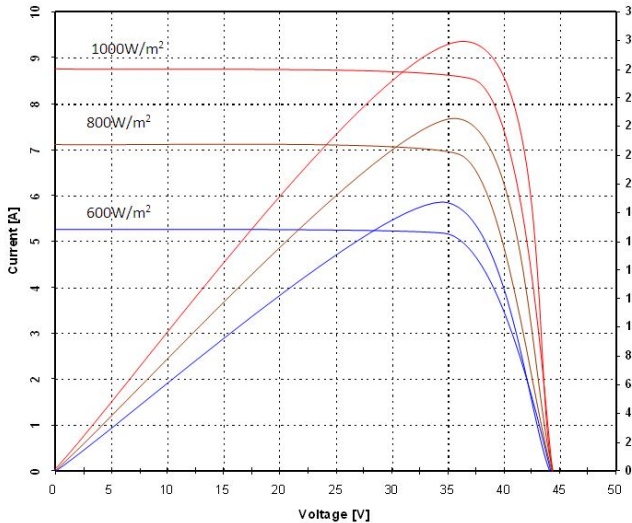
### WARRANTY

5 Years Warranty on Material and Workmanship  
 25 Years Warranty on Power Output. 90% of the rated power is guaranteed for a period of 12 years and 80% of the rated power is guaranteed over a period of 25 years.

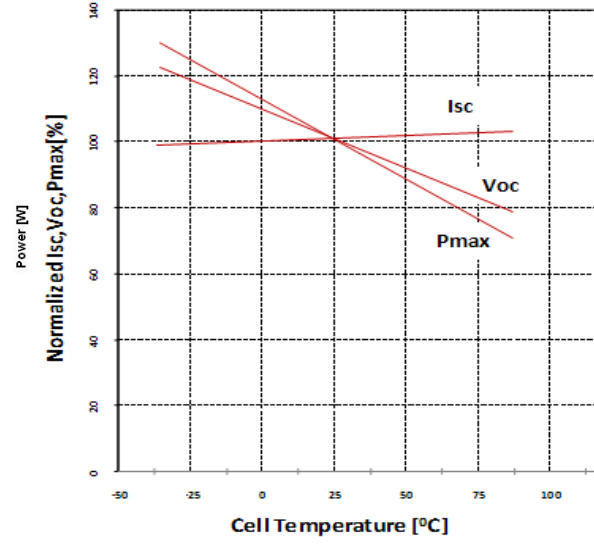
### SHIPPING DETAILS

- Loading Capacity (20 ft container) : 210 panels in 10 cartons
- Loading Capacity (40 ft container) : 462 panels in 22 cartons

### CURRENT-VOLTAGE CHARACTERISTICS OF PHOTOVOLTAIC MODULE XL6P72G300AT VARIOUS IRRADIANCE LEVELS



### TEMPERATURE DEPENDENCE OF Isc, Voc, Pmax



For more information - Website: [www.xlenergy.co](http://www.xlenergy.co) E-mail: [info@xlenergy.co](mailto:info@xlenergy.co)