



# XL ENERGY LIMITED

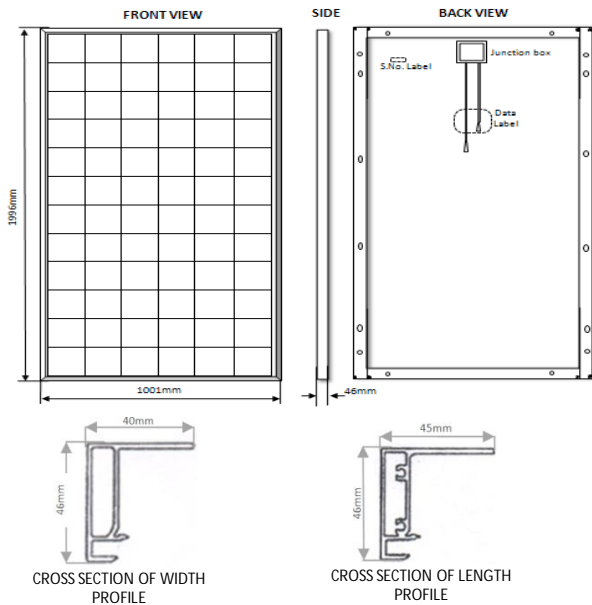
## DATA SHEET FOR XL6P72G275 MULTICRYSTALLINE PHOTOVOLTAIC MODULE

### ELECTRICAL CHARACTERISTICS

Maximum Power at STC (Pmax)	275 Wp (-0%, +5%)
Open-Circuit Voltage(Voc)	44.65V
Voltage at maximum power (Vmp)	36.75V
Short-Circuit Current (Isc)	8.05A
Current at maximum power (Imp)	7.48A
Max Module Efficiency	14.45 %
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	1996 mm x 1001 mm x 46 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 °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

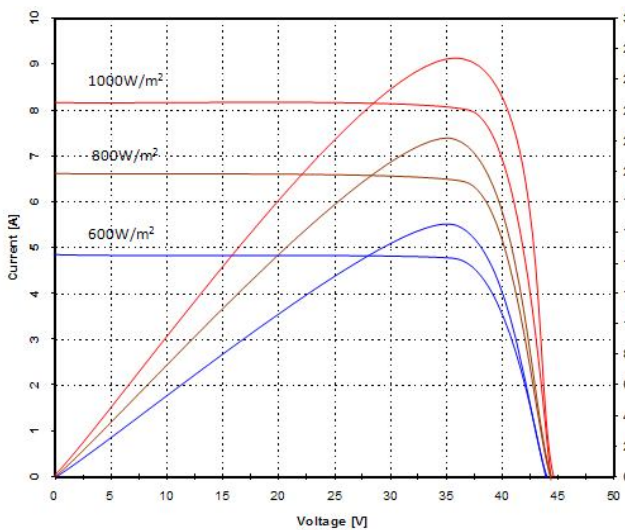
### WARRANTY

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.

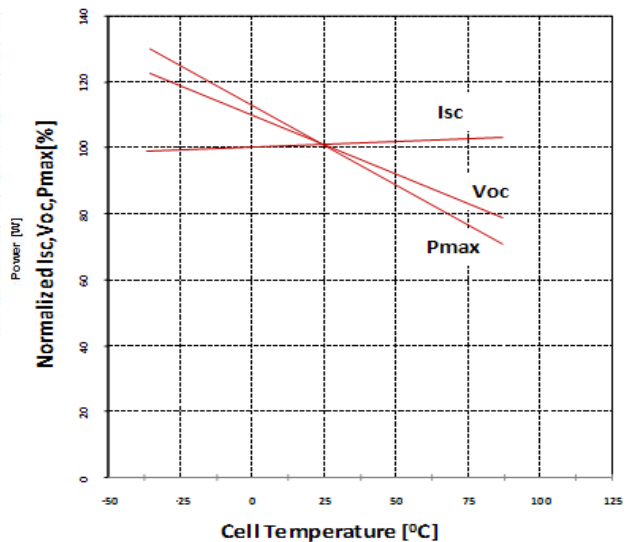
### SHIPPING DETAILS

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 XL6P72G275 AT 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)