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Solar Panel Guide Specification Data Sheet

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

XL 6P60G225

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Also available on the web at
EnergyPal.com/xl-energy-ltd-formerly-xl-telecom-energy-ltd-solar-panels/xl-6p60g225



XL ENERGY LIMITED

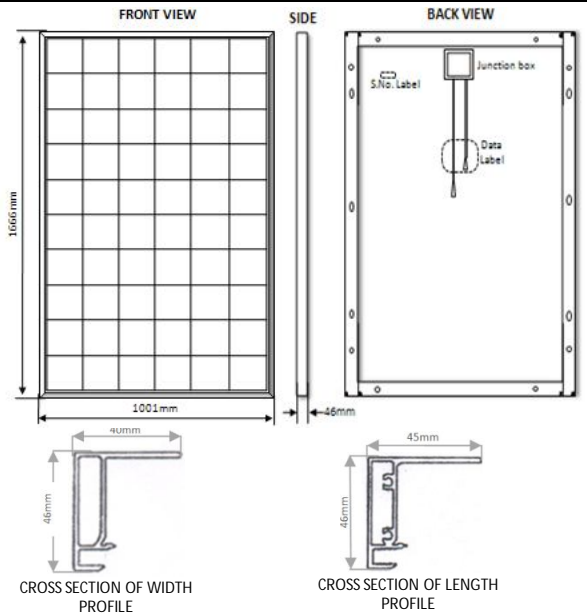
DATA SHEET FOR XL6P60G225 MULTICRYSTALLINE PHOTOVOLTAIC MODULE

ELECTRICAL CHARACTERISTICS

Maximum Power at STC (Pmax)	225 Wp (- 0%, +5%)
Open-Circuit Voltage(Voc)	36.7V
Voltage at maximum power (Vmp)	29.4V
Short-Circuit Current (Isc)	8.19A
Current at maximum power (Imp)	7.65A
Max Module Efficiency	14.17 %
Operating Temperature	- 40° C to +85° C
Maximum System Voltage	1000 V DC
Maximum Series Fuse Rating	15 A

STC: Irradiance 1000W/m², Module temperature 25° C, AM 1.5

PHYSICAL SPECIFICATIONS



MECHANICAL DIMENSIONS

Solar Cell	Poly-Crystalline 156 x 156 mm
Cells per Module	60 (6 x 10)
Dimensions	1666 mm x 1001 mm x 46 mm
Weight	20.68 Kg
Front Glass	3.2 mm Tempered Glass
Frame	Anodized Aluminium Frame (Double Walled)
Junction Box	IP65, TÜV Rheinland certified
Output Cables	4.0 mm ² 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

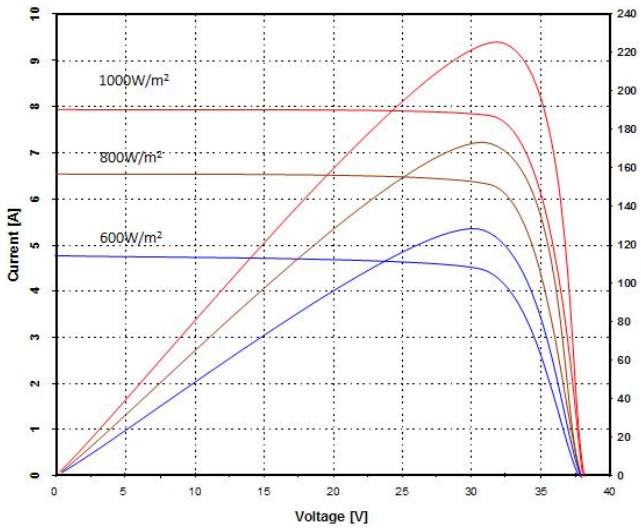
WARRANTY

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.

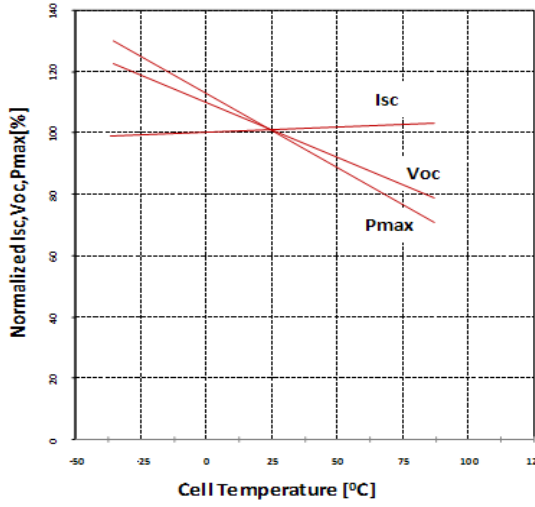
SHIPPING DETAILS

Loading Capacity (20 ft container) : 252 panels in 12 cartons
Loading Capacity (40 ft container) : 546 panels in 26 cartons

CURRENT-VOLTAGE CHARACTERISTICS OF PHOTOVOLTAIC MODULE XL6P60G225 AT VARIOUS IRRADIANCE LEVELS



TEMPERATURE DEPENDENCE OF Isc, Voc, Pmax



For more information - Website: www.xlenergy.co E-mail: info@xlenergy.co