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Solar Panel Guide Specification Data Sheet

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

XL 6P48G175

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Also available on the web at
EnergyPal.com/xl-energy-ltd-formerly-xl-telecom-energy-ltd-solar-panels/xl-6p48g175

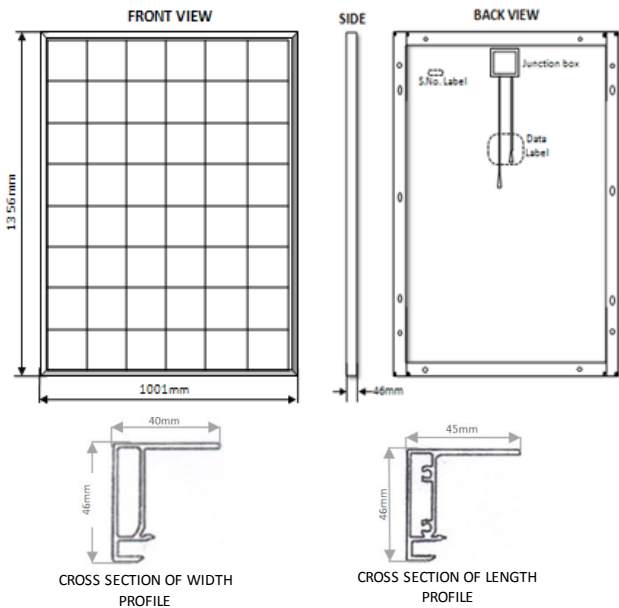
DATA SHEET FOR XL6P48G175 MULTICRYSTALLINE PHOTOVOLTAIC MODULE

ELECTRICAL CHARACTERISTICS

Maximum Power at STC (Pmax)	175 Wp (0, 3%)
Open-Circuit Voltage (Voc)	29.30V
Optimum Operating Voltage (Vmp)	23.40V
Short-Circuit Current (Isc)	8.04A
Optimum Operating Current (Imp)	7.49A
Max Module Efficiency	13 %
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	48 (6 x 8)
Dimensions	1356 mm x 1001 mm x 46 mm
Weight	16.80 Kg
Front Glass	3.2 mm Tempered Glass
Frame	Anodized Aluminium Frame (Double Walled)
Junction Box	IP65 rated
Output Cables	4.0 mm ² asymmetrical lengths (-) 1250 mm and (+) 1000 mm

TEMPERATURE COEFFICIENTS

Nominal Operating Cell Temperature (NOCT)	45 ±2° C
Temperature Coefficient of Pmax	-0.43%/° C
Temperature Coefficient of Voc	-0.36%/° C
Temperature Coefficient of Isc	0.056%/° C

CERTIFICATIONS

IEC 61215, IEC 61730

CE

ISO 9001:2000

WARRANTY

5 Years Warranty on Material and Workmanship

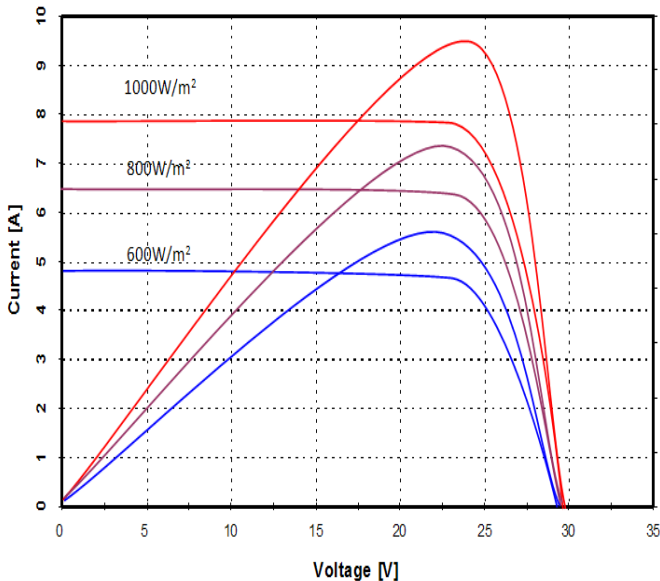
20 Years Warranty on Power Output. 90% of the rated power is guaranteed for a period of 8 years and 80% of the rated power is guaranteed over a period of 20 years.

LOADING

Loading Capacity (20 ft container) : 336 panels in 16 cartons

Loading Capacity (40 ft container) : 672 panels in 32 cartons

CURRENT-VOLTAGE CHARACTERISTICS OF PHOTOVOLTAIC MODULE XL6P48G175 AT VARIOUS IRRADIANCE LEVELS



TEMPERATURE DEPENDENCE OF Isc, Voc, Pmax

