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Solar Panel Guide Specification Data Sheet

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

XL 6P36G140

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Also available on the web at
EnergyPal.com/xl-energy-ltd-formerly-xl-telecom-energy-ltd-solar-panels/xl-6p36g140

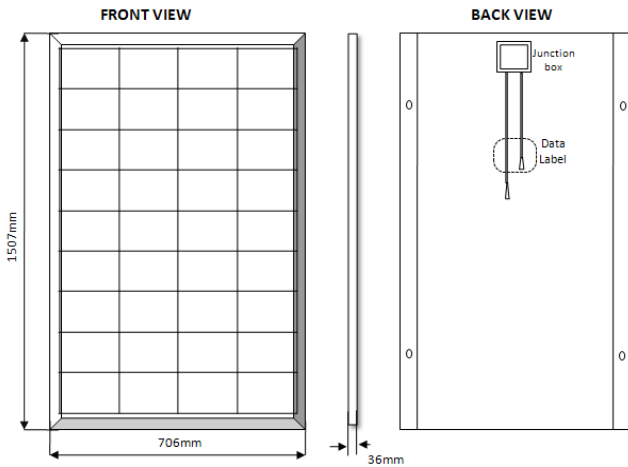
DATA SHEET FOR XL6P36G140 MULTICRYSTALLINE PHOTOVOLTAIC MODULE

ELECTRICAL CHARACTERISTICS

Maximum Power at STC (Pmax)	140 Wp (0, +3%)
Open-Circuit Voltage (Voc)	22.09
Voltage at maximum power (Vmp)	17.38
Short-Circuit Current (Isc)	8.31
Current at maximum power (Imp)	8.03
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	36 (4 x 9)
Dimensions	1507 mm x 706 mm x 36 mm
Weight	12.5 Kg
Front Glass	3.2 mm Tempered
Frame	Anodized Aluminum Frame
Junction Box	IP65, TÜV Rheinland certified
Output Cables	4.0 mm ² asymmetrical lengths (-) 1000 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, Safety Class II
CE
ISO 9001:2000

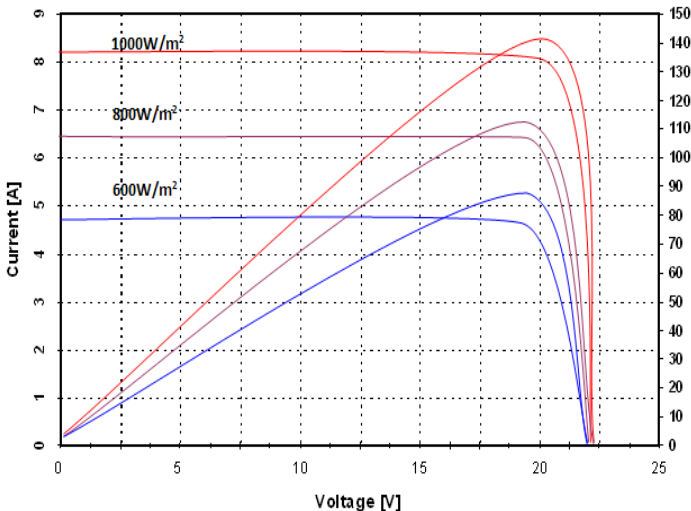
WARRANTY

5 Years Warranty on Material and Workmanship
15 Years Warranty on Power Output. 90% of the rated power is guaranteed for a period of 7 years and 80% of the rated power is guaranteed over a period of 15 years.

SHIPPING DETAILS

Loading Capacity (20 ft container) : 292 panels in 14 cartons
Loading Capacity (40 ft container) : 628 panels in 30 cartons

CURRENT-VOLTAGE CHARACTERISTICS OF PHOTOVOLTAIC MODULE XL6P36G140 AT VARIOUS IRRADIANCE LEVELS



TEMPERATURE DEPENDENCE OF Isc, Voc, Pmax

