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Solar Panel Guide Specification Data Sheet

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

XL 6P60G040

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Also available on the web at
EnergyPal.com/xl-energy-ltd-formerly-xl-telecom-energy-ltd-solar-panels/xl-6p60g040

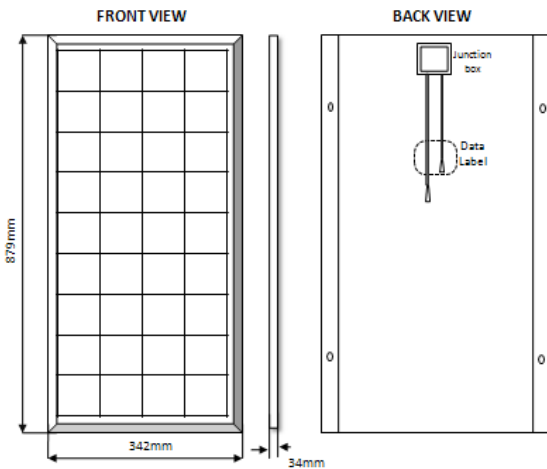
DATA SHEET FOR XL6P36G040 MULTICRYSTALLINE PHOTOVOLTAIC MODULE

ELECTRICAL CHARACTERISTICS

Maximum Power at STC (Pmax)	40 Wp (0, 3%)
Open-Circuit Voltage (Voc)	21.60
Voltage at maximum power (Vmp)	17.14
Short-Circuit Current (Isc)	2.44
Current at maximum power (Imp)	2.18
Max Module efficiency	> 12.3
Operating Temperature	-40° C to +85° C
Maximum System Voltage	1000 V DC
Maximum Series Fuse Rating	10 A

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

PHYSICAL SPECIFICATIONS



MECHANICAL DIMENSIONS

Solar Cell	Poly-Crystalline 90 x 78mm
Cells per Module	36 (4 x 9)
Dimensions	879mm x 342mm x 34 mm
Weight	5.5 Kg
Front Glass	3.2 mm Tempered
Frame	Anodized Aluminium Frame

TEMPERATURE COEFFICIENTS

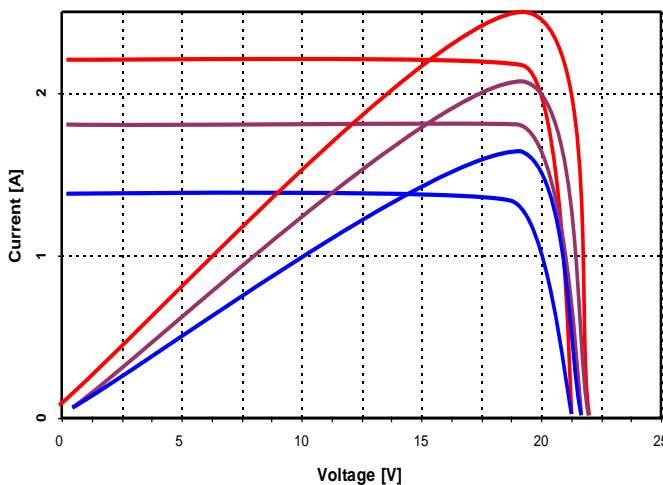
Nominal Operating Cell Temperature (NOCT)	45 2° C
Temperature Coefficient of Pmax	-0.43 %/° C
Temperature Coefficient of Voc	-0.36 %/° C
Temperature Coefficient of Isc	0.056 %/° C

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.

CURRENT-VOLTAGE CHARACTERISTICS OF PHOTOVOLTAIC MODULE XL6036G040AT VARIOUS IRRADIANCE LEVELS



TEMPERATURE DEPENDENCE OF Isc, Voc, Pmax

