XL TELECOM & ENERGY LIMITED

The Silent Performer

DATA SHEET FOR XL6P36G110 MULTICRYSTALLINE PHOTOVOLTAIC MODULE

ELECTRICAL CHARACTERISTICS

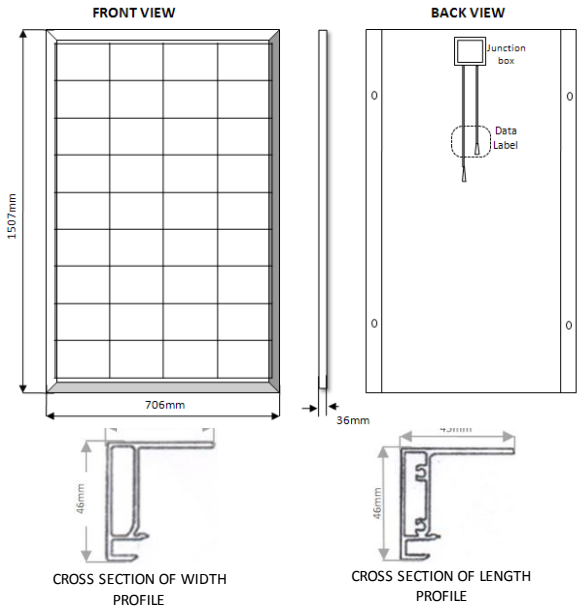
Maximum Power at STC (Pmax)	110 Wp (0,+5%)
Open-Circuit Voltage(Voc)	21.64
Voltage at maximum power (Vmp)	17.27
Short-Circuit Current (Isc)	7.03
Current at maximum power (Imp)	6.38
Max Module efficiency	>10 %
Operating Temperature	-40^0 C to +85^0 C
Maximum System Voltage	1000 V DC
Maximum Series Fuse Rating	15 A

STC: Irradiance 1000W/m^2, Module temperature 25^0 C, AM 1.5

MECHANICAL DIMENSIONS

Solar Cell	Poly-Crystalline 156 x 156 mm
Cells per Module	36 (4 x 9)
Dimensions	1507 mm x 706 mm x 36mm
Weight	12 Kg
Front Glass	3.2 mm Tempered
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

PHYSICAL SPECIFICATIONS



TEMPERATURE COEFFICIENTS

Nominal Operating Cell Temperature (NOCT)	45 2^0 C
Temperature Coefficient of Pmax	-0.43 %/^{0} C
Temperature Coefficient of Voc	-0.36 %/^{0} C
Temperature Coefficient of Isc	0.056 %/^{0} C

CERTIFICATIONS

IEC 61215, Safety Class II

CE

ISO 9001:2000

WARRANTY

5 Years Warranty on Material and Workmanship

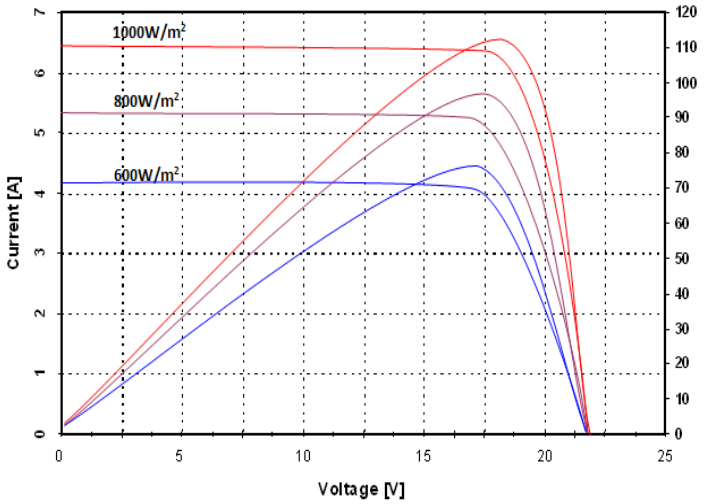
15 Years Warranty on Power Output. 90% of the rated power is guaranteed for a period of 7 years and 80% of the rated power is guaranteed over a period of 15 years.

SHIPPING DETAILS

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

Loading Capacity (40 ft container) : 588 panels in 28 cartons

CURRENT-VOLTAGE CHARACTERISTICS OF PHOTOVOLTAIC MODULE XL6P36G110 AT VARIOUS IRRADIANCE LEVELS



TEMPERATURE DEPENDENCE OF Isc, Voc, Pmax