

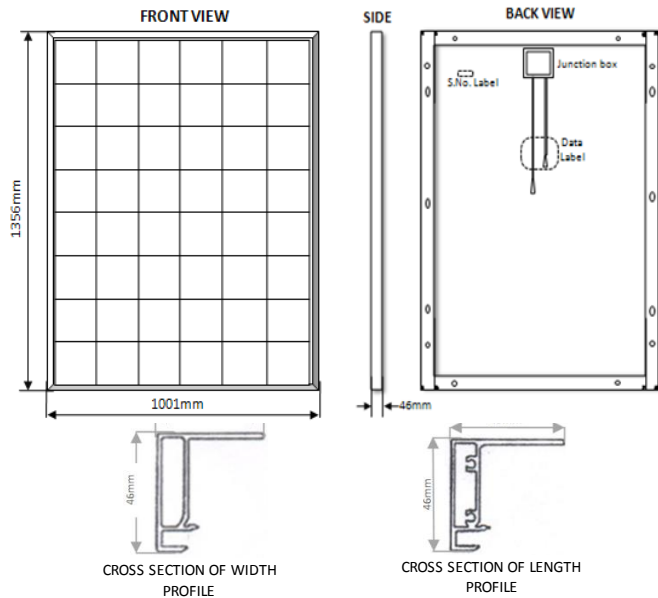
DATA SHEET FOR XL6P48G180 MULTICRYSTALLINE PHOTOVOLTAIC MODULE

ELECTRICAL CHARACTERISTICS

Maximum Power at STC (Pmax)	185 Wp (0, 3%)
Open-Circuit Voltage (Voc)	29.44
Voltage at maximum power (Vmp)	23.70
Short-Circuit Current (Isc)	8.39
Current at maximum power (Imp)	7.82
Max Module efficiency	>13.5%
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	16.8 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

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

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.

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 XL6P48G180 AT VARIOUS IRRADIANCE LEVELS

Available Upon Request

TEMPERATURE DEPENDENCE OF Isc, Voc, Pmax

