

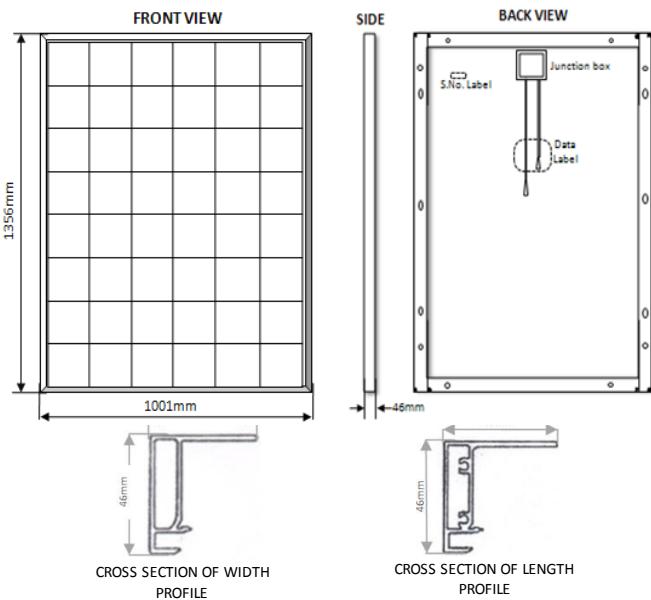
## DATA SHEET FOR XL6P48G180 MULTICRYSTALLINE PHOTOVOLTAIC MODULE

### ELECTRICAL CHARACTERISTICS

Maximum Power at STC (Pmax)	180 Wp (0, 3%)
Open-Circuit Voltage (Voc)	29.40
Voltage at maximum power (Vmp)	23.50
Short-Circuit Current (Isc)	8.19
Current at maximum power (Imp)	7.65
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/m<sup>2</sup>, 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 <sup>2</sup> 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

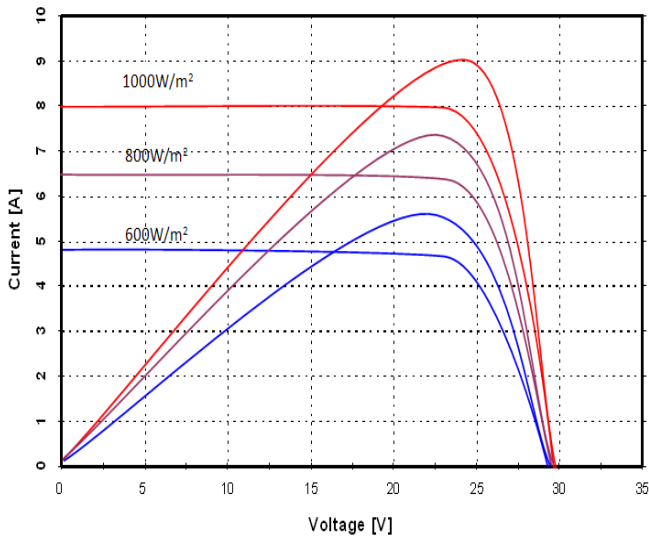
20 Years Warranty on Power Output. 90% of the rated power is guaranteed for a period of 8 years and 80% of the rated power is guaranteed over a period of 20 years.

### 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



### TEMPERATURE DEPENDENCE OF Isc, Voc, Pmax

