The Silent Performer

# XL TELECOM & ENERGY LIMITED

## DATA SHEET FOR XL6P36G100 MULTICRYSTALLINE PHOTOVOLTAIC MODULE

### ELECTRICAL CHARACTERISTICS

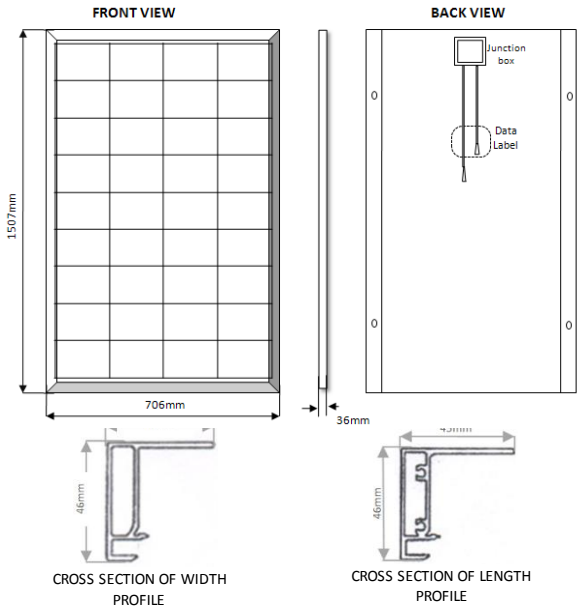
| | |
|---|---|
| **Maximum Power at STC (Pmax)** | 100 Wp (-, +3%) |
| **Open-Circuit Voltage(Voc)** | 21.62 |
| **Voltage at maximum power (Vmp)** | 17.25 |
| **Short-Circuit Current (Isc)** | 6.65 |
| **Current at maximum power (Imp)** | 5.81 |
| **Max Module efficiency** | >9% |
| **Operating Temperature** | -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 36 mm |
| **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 (-) 1000 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 & IEC 61730

CE

ISO 9001:2000

### WARRANTY

5 Years Warranty on Material and Workmanship

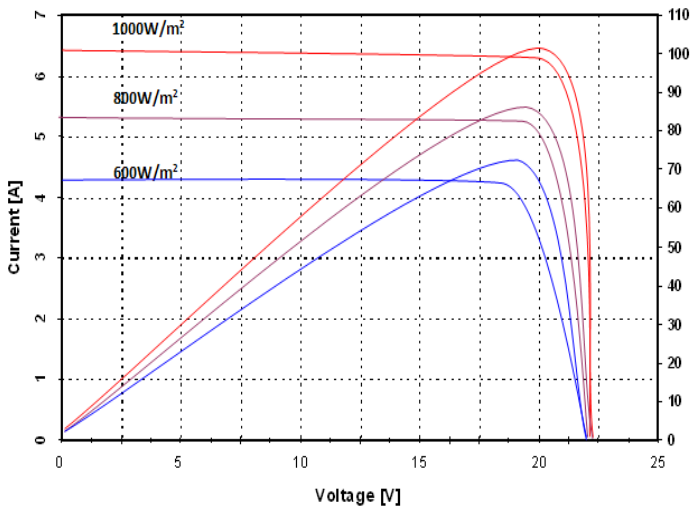
15Years Warranty on Power Output. 90% of the rated power is guaranteed for a period of 7 years and 80% of the rated power is guaranteed over a period of 15 years.

### 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 XL6P36G100 AT VARIOUS IRRADIANCE LEVELS




### TEMPERATURE DEPENDENCE OF Isc, Voc, Pmax