

# KL

## Solar

### Photovoltaic

### Modules



## 250Watt

*KL provides cost-effective photovoltaic power for general use, operating DC directly or, in an inverter-equipped system, AC loads. The 60 cells in series provides 250 watts of maximum power, it is used primarily in utility grid-supplemental systems, telecommunications, remote villages and clinics, pumping and load-based aids to navigation.*



#### Proven Materials and Construction

KL experience shows in every aspect of this module's construction and materials

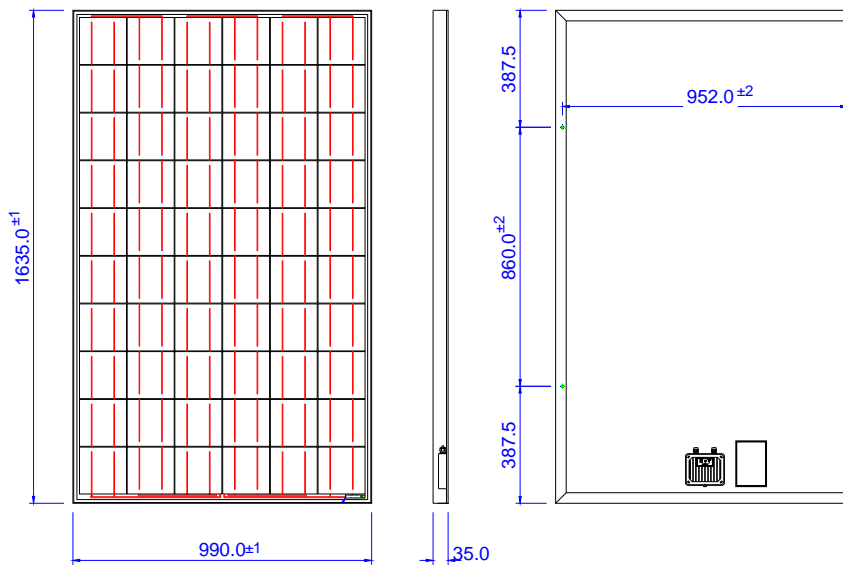
- Anodized aluminum frame offers required strength and allows for quick and easy installation on standard array structures.
- 60 Crystalline silicon solar cells in series with by pass diodes installed.
- Modules are laminated in toughened low iron content PV grade glass – Ethyl Vinyl Acetate films – PV module back sheet.
- Optimized lamination process parameters ensure a stable laminate. Junction Box with PG Cable glands and bypass diodes are standard in all modules.
- Each module is flash tested in a Sun simulator to ensure conformity to specification.

*Polycrystalline Modules*

## Electrical and Mechanical Data

Model	KL240
Maximum power (Pmax)	250 Wp
Open Circuit Voltage (Voc)	37.66 V
Maximum power point voltage (Vmpp)	29.94V
Short circuit current (Isc)	8.92 A
Maximum power point current (Impp)	8.35 A
Tolerance	±7.5%
Cell Size (mm)	156 X 156
No. of cells	60
Dimensions (mm) ± 1	1635 x 990 x 35
Maximum system voltage	1000
Temperature co-efficient	NOCT (°C)45
$\frac{\partial V}{\partial T}$ (Voc) (mV/°C)	- 105
$\frac{\partial I}{\partial T}$ (Isc) (mA/°C)	- 0.32
$\frac{\partial P}{\partial T}$ (Pmax) (%/°C)	- 0.45
Weight (kgs)	23.5

Standard Test Condition : Irradiance 1,000 W/sq.m, Temperature 25deg C Air mass 1.5 spectrum)



All dimensions are in mm

### Quality

The Photovoltaic Modules are manufactured to exceed IEC61215 & EN IEC 61730 Class A, Safety Class II & IEC61701 specifications.

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Technical Specifications Subject to change without prior notice due to technology upgradation.

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