



ELF375M-72(UW)

Monocrystalline Solar Flexible Module

KEY FEATURES >>>>

Ultra-light:

Through replacement of glass and frame 70%+weight less than conventional PV panels.

Flexible:

Combines a unique, patented material with other industry-leading technologies to produce a flexible crystalline-silicon panel that can be installed on a curved surfaces.

Installation-friendly:

Reduces installation cost by up to 50% through its re-engineered components, ease of handling and shorter installation time.

Aesthetic:

Aesthetically designed panel that is PID-free, safe and no light pollution.

Deployable:

Lightweight, flexibility and customizability changes the way solar is deployed in the market and brings added value to special applications.

Durable:

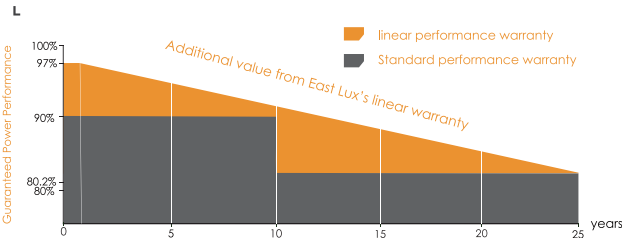
Maximum load(2400 Pascal), special materials and strict quality control ensure panel long life span.

Easily transportable:

Low weight significantly cuts transportation and freight costs.

LINEAR PERFORMANCE WARRANTY

10 Years Product Warranty 25 Years Linear Power Warranty



Comprehensive Certificates

- IEC 61215, IEC 61730, UL1703 and CE
- ISO 9001:2008: Quality management systems
- ISO 14001:2004: Environmental management systems
- BS OHSAS 18001: 2007: Occupational health and safety management system
- Environmental policy: The first solar company in China to complete intertek's carbon footprint evaluation program and receive green leaf mark verification for our products

Reliable Quality

- Positive power tolerance: 0~+5W
- 100% EL double-inspection ensures modules are defects free
- Modules binned by current to improve system performance
- Potential Induced Degradation (PID) Resistant



Specifications subject to technical change and tests. East Lux reserves the right of final interpretation.

SPECIFICATIONS

| | ELF-375M-72(UW) | | ELF-370M-72(UW) | |
|-----------------------------|-----------------|-------|-----------------|-------|
| | STC | NOCT | STC | NOCT |
| Peak Power (Pmax) | 375W | 282W | 370W | 278W |
| Peak Power Voltage (Vmpp) | 40.2V | 37.0V | 39.9V | 36.8V |
| Peak Power Current (Impp) | 9.33A | 7.63A | 9.28A | 7.56A |
| Open Circuit Voltage (Voc) | 48.6V | 45.3V | 48.4V | 45.1V |
| Short circuit Current (Isc) | 9.86A | 8.07A | 9.81A | 8.00A |
| Component Efficiency (%) | 18.7% | | 18.5% | |

STC(Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25°C, AM1.5
 NMOT(Nominal Module Operating Temperature): Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s



Temperature Characteristics

| | |
|---|-----------|
| Standard Working Temperature (Noct) | 41±2°C |
| Peak Power Temperature Coefficient | -0.36%/°C |
| Temperature Coefficient of Open Circuit Voltage | -0.28%/°C |
| Short-circuit Current Temperature Coefficient | +0.05%/°C |



Temperature Characteristics

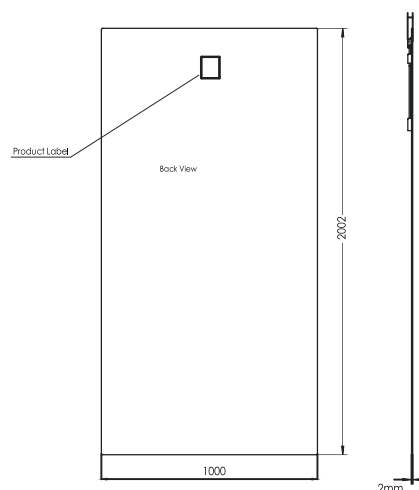
| | |
|------------------------|----------------|
| Working Temperature | -40°C to~+85°C |
| Maximum System Voltage | DC 1000V (IEC) |
| Maximum Fuse Rating | 20A |
| Power Tolerance | 0/+5W |



Mechanical Data

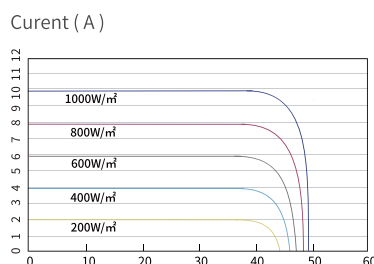
| | |
|------------------|--|
| Cell Type | 158.75mm Mono |
| Cell Orientation | 72(6x12) |
| Module Dimension | 2002x1000x2mm |
| Weight | 5.8kg |
| Aluminum Frame | Frameless |
| Junction Box | IP 68 rated |
| Connecting Cable | 4.0mm ² , (+)150mm/(-)450mm |
| Plug Connector | MC4 compatible connector |

Module Dimensions(mm)



I-V Curve

Current-Voltage Curve (375W)



STC

- Irradiance 1000W/m²
- Cell Temperature 25°C
- AM=1.5

NOCT

- Irradiance 800W/m²
- Wind Speed 1m/s
- AM=1.5

Packaging Configuration

Modules per Pallet: 30pcs
 Modules per 40' HQ Container: 1452pcs
 Modules per 20' HQ Container: 480pcs

* Power measurement tolerance: ± 3%

Electrical data in this catalogue do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.