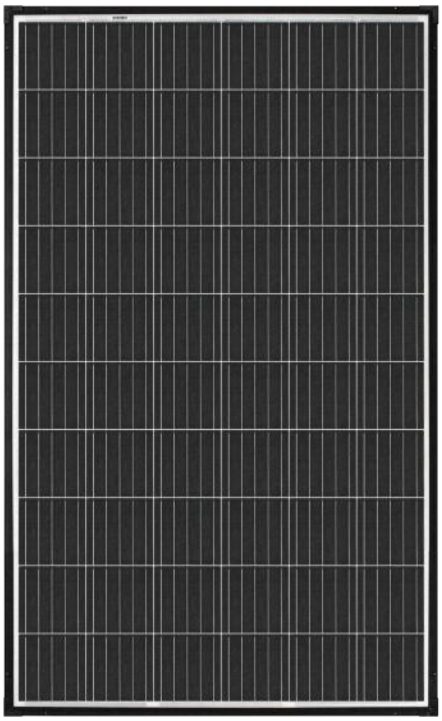


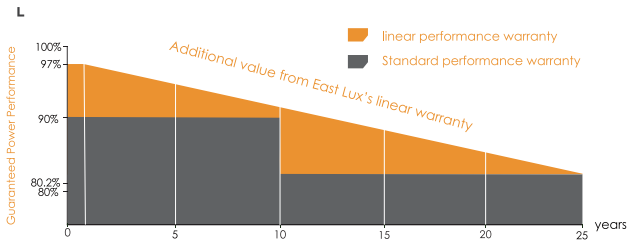
East Lux
Power from East

ELD310M-60(DW)

Monocrystalline Solar Flexible Module

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 verfication 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

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.

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

SPECIFICATIONS

	ELD-310M-60(DW)		ELD-305M-60(DW)	
	STC	NOCT	STC	NOCT
Peak Power (Pmax)	310W	233W	305W	229W
Peak Power Voltage (Vmpp)	33.3V	30.7V	33.0V	30.5V
Peak Power Current (Impp)	9.31A	7.59A	9.25A	7.51A
Open Circuit Voltage (Voc)	40.5V	37.6V	40.3V	37.4V
Short circuit Current (Isc)	9.81A	8.04A	9.74A	7.96A
Component Efficiency (%)	17.9%		17.6%	

STC(Standard Testing Condittions): Irradiance 1000W/m²,Cell Temperature 25°C,AM1.5
NMOT(Nominal Moudule 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

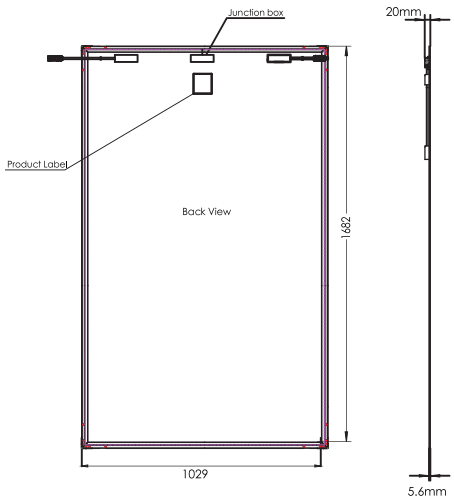
Temperature Characteristics

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	60(6x10)
Module Dimension	1682x1029x5.6mm
Weight	5.8kg
Aluminum Frame	Black Anodized Aluminum Alloy
Junction Box	IP 68 rated
Connecting Cable	4.0mm², (+)150mm/(-)450mm
Plug Connector	MC4 compatible connector

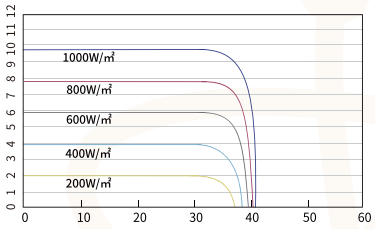
Module Dimensions(mm)



I-V Currve

Current-Voltage Currve (310W)

Curent (A)



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: 1200pcs
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.