



## Mars M6

EL-585~605M6-60H

PERC Technology

Mono Crystalline PV Modules

120

CELLS



Micro-crack  
Free



PID  
Resistant



Salt Mist and Ammonia  
Corrosion Resistant



German  
Engineering



Tier 1 Choice  
of Materials

### GERMAN QUALITY

East Lux solar panels are made from top grade materials, automated robotic lines, German technology and standards, making the quality difference.

### PERFORMANCE& INVESTMENT GUARANTEE

East Lux assures high investment, security and warranty claims by providing linear performance guarantee of 25 years and 12 years of product warranty.

### Reliable Quality

- IEC61215, IEC61730(2016), IEC TS 62804-1-1:2020 (Anti PID)
- ISO 9001:2015 Quality management systems
- ISO 14001:2015 Environmental management systems
- BS OHSAS 18001: 2007 Occupational health and safety management system
- Positive power tolerance: 0~+5W
- 100% Triple EL inspection ensure free of defects



### PLUS SORTING

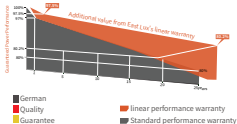
0~+5W positive sorting system to assure high output.

### STABLE& STRONG

Capable to bear heavy snow loads up to 5400pa and wind loads up to 3800pa.

### Linear Performance Warranty

12 years product warranty  
25 years linear power warranty



# SPECIFICATIONS

## Module Type

	EL-585M6-60H		EL-590M6-60H		EL-595M6-60H		EL-600M6-60H		EL-605M6-60H	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Peak Power (Pmax)	585W	443W	590W	447W	595W	451W	600W	454W	605W	457W
Open Circuit Voltage (Voc)	41.10V	38.70V	41.30V	38.60V	41.50V	39.10V	41.70V	39.30V	41.90V	39.50V
Short circuit Current (Isc)	18.26A	14.72A	18.31A	14.76A	18.6 A	14.80A	18.42A	14.84A	18.47A	14.89A
Peak Power Voltage (Vmpp)	34.00V	38.55V	34.20V	38.76V	34.40V	38.95V	34.60V	39.16V	34.80V	39.21V
Peak Power Current (Impp)	17.21A	13.97A	17.25A	14.01A	17.30A	14.06A	17.34A	14.10A	17.40A	14.15A
Component Efficiency (%)	20.7%		20.8%		21.0%		21.1%		21.3%	

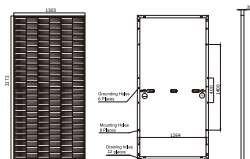
STC(Standard Testing Conditions): Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, AM1.5

NMOT(Nominal Module Operating Temperature): Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s

## Temperature Characteristics

Standard Working Temperature (NMOT)	43±2°C
Peak Power Temperature Coefficient	-0.34%/°C
Temperature Coefficient of Open Circuit Voltage	-0.25%/°C
Short-circuit Current Temperature Coefficient	+0.04%/°C
Working Temperature	-40°C to +85°C
Maximum System Voltage	DC1500V(IEC)
Maximum Fuse Rating	30A
Power Tolerance	0~±5W

## Module Dimensions(mm)



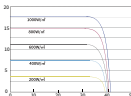
Specifications in this datasheet are subject to change without prior notice.

## Mechanical Data

Cell Type	201x105mm Mono
Cell Orientation	120(±20)
Module Dimension	2172x1303x35mm
Weight	31.0 kg
Front	3.2mm Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 (3 Bypass Diodes) 4.0mm <sup>3</sup>
Connecting Cable	300mm (+) / 400mm (-) Length can be customized
Plug Connector	MC4 compatible connector
Maximum Mechanical Load	Front 5400Pa/Back 2400Pa

## I-V Curve

Current-Voltage Curve (600W)  
Current (A)



### STC

Irradiance 1000W/m<sup>2</sup>

Cell Temperature 25°C

AM=1.5

### NMOT

Irradiance 800W/m<sup>2</sup>

Ambient Temperature 20°C

Wind Speed 1m/s

AM=1.5

## Packing

Modules per Pallet: 31pcs

## Configuration

Modules per 40' HQ Container: 527pcs