



Mars M5

EL-390~410M5-54H

PERC Technology

Mono Crystalline PV Modules

108

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.

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 2400pa

Reliable Quality

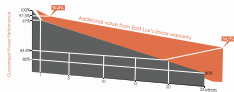
- IEC61215, IEC61730(2016), IEC TS 62804-1-1:2020 (Anti PID)
- ISO 9001:2008 Quality management systems
- ISO 14001:2004 Environmental management systems
- BS OHSAS 18001:2007 Occupational health and safety management system
- Positive power tolerance: 0~+5W
- 100% Triple EL inspection ensure free of defects.



Linear Performance Warranty

12 years product warranty

25 years linear power warranty



■ German
■ Quality
■ Guarantee

■ Linear performance warranty
■ Standard performance warranty

SPECIFICATIONS

Module Type	390M5-54H		395M5-54H		400M5-54H		405M5-54H		410M5-54H	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Peak Power (Pmax)	390W	293W	395W	297W	400W	301W	405W	305W	410W	309W
Open Circuit Voltage (Voc)	36.68V	34.58V	36.82V	34.73V	36.96V	34.89V	37.10V	35.05V	37.23V	35.20V
Short circuit Current (Isc)	13.66A	10.88A	13.75A	10.95A	13.82A	11.02A	13.91A	11.09A	14.00A	11.16A
Peak Power Voltage (Vmpp)	30.64V	28.82V	30.82V	29.04V	31.01V	29.23V	31.19V	29.42V	31.36V	29.42V
Peak Power Current (Impp)	12.73A	10.17A	12.82A	10.23A	12.9A	10.30A	12.99A	10.37A	13.08A	10.43A
Component Efficiency (%)	20.00%		20.20%		20.50%		20.70%		21.00%	

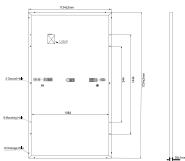
STC (Standard Testing Conditions): Irradiance 1000W/m²; Cell Temperature 25°C; AM1.5

NMOT (Nominal Module Operating Temperature): Irradiance 800W/m²; Ambient Temperature 20°C; Wind Speed 1m/s

Temperature Characteristics

Standard Working Temperature (NMOT)	45±2°C
Peak Power Temperature Coefficient	-0.350%/°C
Temperature Coefficient of Open Circuit Voltage	-0.276%/°C
Short-circuit Current Temperature Coefficient	+0.046%/°C
Working Temperature	-40°C to +85°C
Maximum System Voltage	DC 1500V (IEC)
Maximum Fuse Rating	20A
Power Tolerance	0→±5W

Module Dimensions (mm)



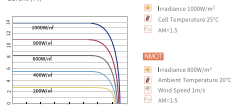
Specifications in this datasheet are subject to change without prior notice.

Mechanical Data

Cell Type	182x91mm Mono
Cell Orientation	108 (6x18)
Module Dimension	1724x1134x35mm
Weight	20.9kg±3%
Front	3.2mm Tempered Glass
Aluminum Frame	Anodized Aluminum Alloy
Junction Box	IP68 (3 Bypass Diodes) 4.0mm ²
Connecting Cable	Cable length 280mm (+)/280mm (-)
Plug Connector	MC4 compatible connector
Maximum Mechanical Load	Front 5400Pa

I-V Curve

Current-Voltage Curve (405W)



Packing Configuration Modules per Pallet: 31 pcs
Modules per 40' HQ Container: 806 pcs