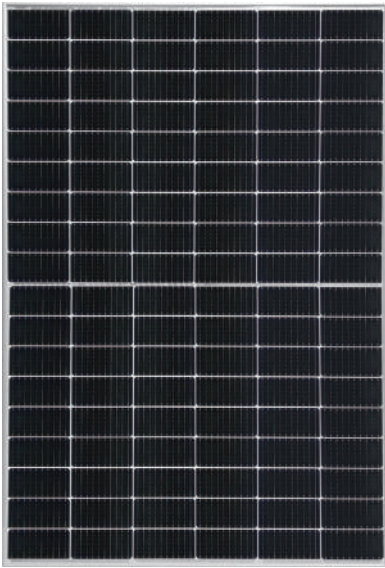


# EG-(SERIES)M54-HLV MONOCRYSTALLINE 108-CELL MODULE 390~ 410Wp

0~+3% POSITIVE TOLERANCE



\* Black Frames Applied

## KEY FEATURES



### Mbb half cell design

Half-cut cells brings lower resistance and increased Multi Busbar reflectance ensures higher power output



### More Power

Innovative 182mm big cell applied to ensure module power up to 410Wp



### Excellent Low-light Performance

Advanced solar cell surface texturing technology allows for excellent performance in low-light environments



### High Reliability

Strict in-house testing in PV Lab which is CNAS approved & TUV/VDE certified



### Highly Strengthened Design

Certified to withstand: 5400Pa snow load and 2400Pa wind load



### PID Resistant

Excellent PID resistance performance optimized by unique structural design

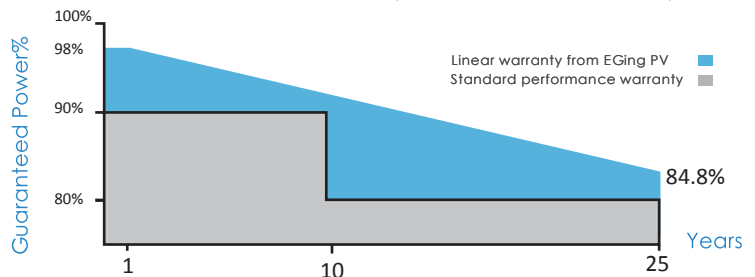


· ISO9001:2015, ISO14001:2015, ISO45001:2018  
QC080000:2017, IEC TS 62941  
certified factory

· IEC61215, IEC61730, UL1703, IEC62804, IEC62716  
certified product

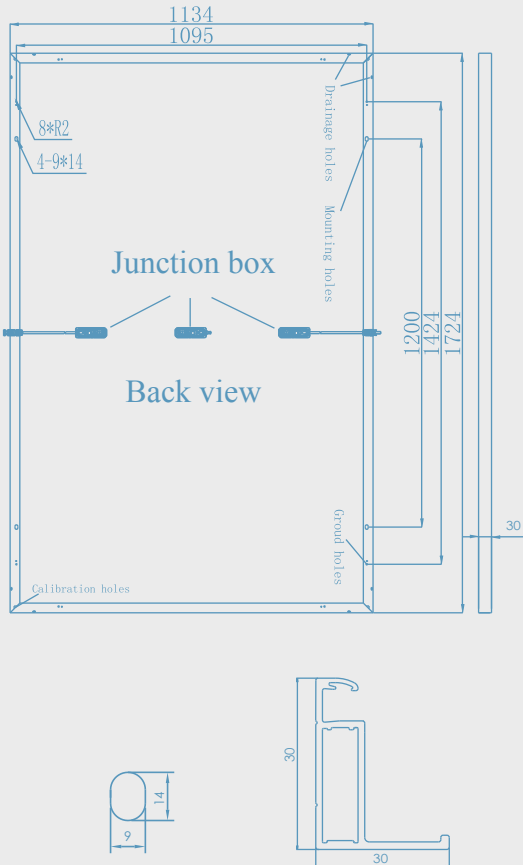
## LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty · 25 Year Linear Power Warranty



As a BloombergNEF Tier 1 and global leading manufacturer since 1998, EGING PV is committed to supplying reliable and durable PV products to customers to create together a greener planet.

## Engineering Drawings



## Electrical Characteristics

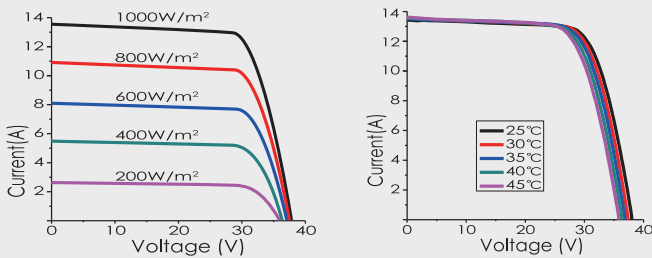
STC	EG-390 M54-HLV	EG-395 M54-HLV	EG-400 M54-HLV	EG-405 M54-HLV	EG-410 M54-HLV
P <sub>max</sub> (W)	390	395	400	405	410
V <sub>mp</sub> (V)	30.79	31.03	31.28	31.52	31.76
I <sub>mp</sub> (A)	12.67	12.73	12.79	12.85	12.91
V <sub>oc</sub> (V)	36.69	36.93	37.18	37.42	37.66
I <sub>sc</sub> (A)	13.42	13.48	13.54	13.60	13.66
Module efficiency (%)	19.94	20.20	20.46	20.71	20.97
Maximum system voltage (V)	1500				
Fuse Rating Current (A)	25				
Power tolerance (%)	0~+3				
Temperature coefficient	P <sub>max</sub> (%/°C)	-0.350			
	I <sub>sc</sub> (%/°C)	0.05			
	V <sub>oc</sub> (%/°C)	-0.275			

STC: Irradiance 1000W/m<sup>2</sup>, module temperature 25°C, AM=1.5

NOCT	EG-390 M54-HLV	EG-395 M54-HLV	EG-400 M54-HLV	EG-405 M54-HLV	EG-410 M54-HLV
P <sub>max</sub> (W)	295	299	303	307	310
V <sub>mp</sub> (V)	28.45	28.70	28.94	29.19	29.36
I <sub>mp</sub> (A)	10.37	10.42	10.47	10.52	10.56
V <sub>oc</sub> (V)	34.13	34.35	34.58	34.81	35.03
I <sub>sc</sub> (A)	10.98	11.03	11.08	11.13	11.18
Power tolerance (%)	0~+3				

NOCT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s

## I-V Curves



## Packing Configuration

Pieces per pallet	36
Size of packing (mm)	1790*1140*1275
Weight of packing (kg)	772
Pieces per container	936
Size of container	40' HC

## Mechanical Characteristics

Number of cells (pcs)	108
Size of cell (mm)	182*91
Type of cell	Mono
Thickness of glass(mm)	3.2
Type of frame	Anodized aluminum alloy
Junction box	IP68
Size of module (mm)	1724*1134*30
Weight (kg)	20.2
Cables/connectors	4mm <sup>2</sup> MC4 compatible
Length of Cabel	Portrait: +300/-300mm

## Maximum Ratings

Operating Temperature(°C)	-40~85
Operating Humidity(%)	5~85
Allowable Hail Load	25mm ice - ball with velocity of 23m/s

Revised in August, 2021

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