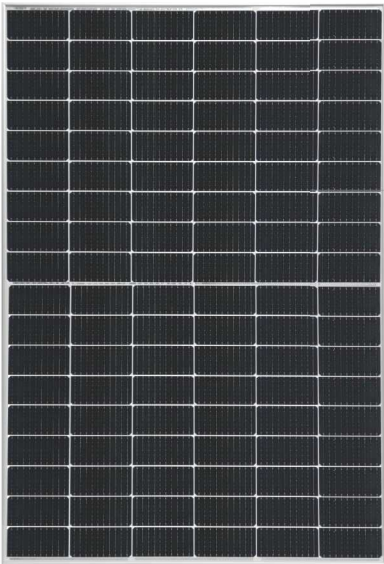


# STAR SERIES

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

0-+3% POSITIVE TOLERANCE



## 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

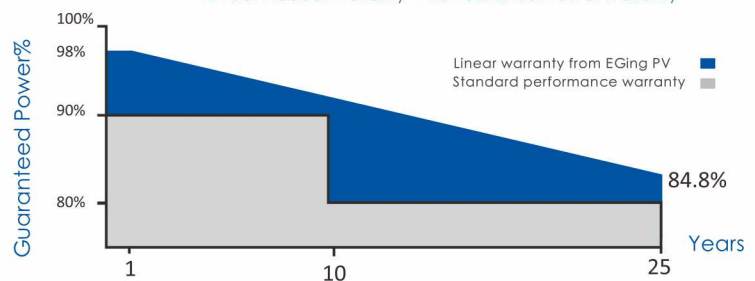


### PID Resistant

Excellent PID resistance performance optimized by unique structural design

## LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty · 25 Year Linear Power Warranty



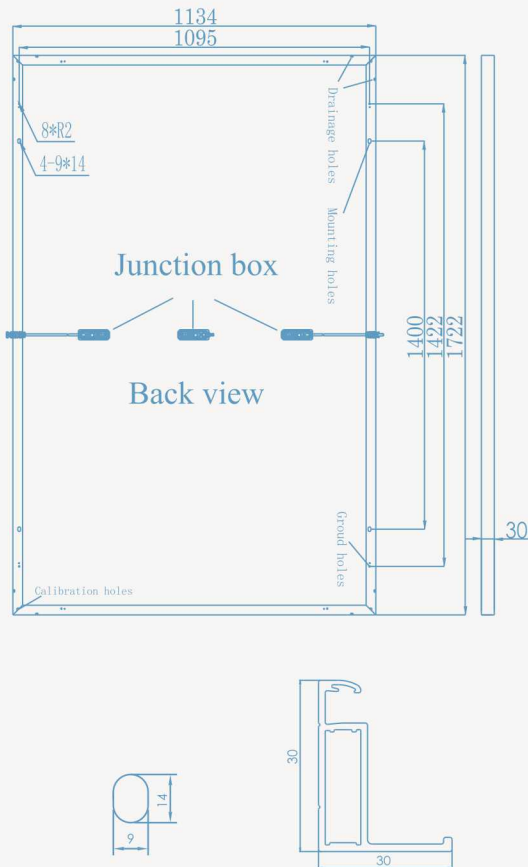
· ISO9001:2015, ISO14001:2015, ISO45001:2018  
QC080000:2017, IEC TS 62941  
certified factory

· IEC61215, IEC61730, UL61730, IEC62804, IEC62716  
certified product

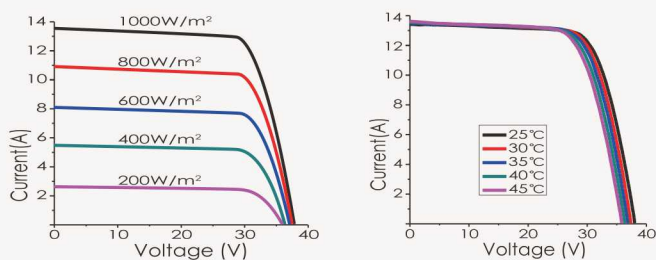


As a BloombergNEF Tier 1 and global leading manufacturer since 1998, EGING PV is committed to supplying reliable and durable PV products to customers to create together a greener planet.

## Engineering Drawings



## 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

## Electrical Characteristics

STC	EG-390 M54-HLV	EG-395 M54-HLV	EG-400 M54-HLV	EG-405 M54-HLV	EG-410 M54-HLV
Pmax (W)	390	395	400	405	410
Vmp (V)	30.79	31.03	31.28	31.52	31.76
Imp (A)	12.67	12.73	12.79	12.85	12.91
Voc (V)	36.69	36.93	37.18	37.42	37.66
Isc (A)	13.42	13.48	13.54	13.60	13.66
Module efficiency (%)	19.97	20.22	20.48	20.74	20.99
Maximum system voltage (V)	1500				
Fuse Rating Current (A)	25				
Power tolerance (%)	0~+3				
Temperature coefficient	Pmax(%°C)	-0.350			
	Isc(%°C)	0.05			
	Voc(%°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
Pmax (W)	295	299	303	307	310
Vmp (V)	28.45	28.70	28.94	29.19	29.36
Imp (A)	10.37	10.42	10.47	10.52	10.56
Voc (V)	34.13	34.35	34.58	34.81	35.03
Isc (A)	10.98	11.03	11.08	11.13	11.18
Power tolerance (%)	0~+3				
NOCT (°C)	44±2				

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

## 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)	1722*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
Allowable Hail Load	25mm ice - ball with velocity of 23m/s

Revised in September, 2021

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