

# STAR SERIES MONOCRYSTALLINE 108-cell MODULE

EG-390M54-HL

**390W**

## KEY FEATURES



**Mbb half cell design**  
Half-cut cells brings lower resistance and increased Multi Busbar reflectance ensures higher power output



**High Efficiency**  
Ensure module efficiency up to 19.97%



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



**Excellent Low-light Performance**  
Advanced solar cell surface texturing technology allows for excellent performance in low-light environments

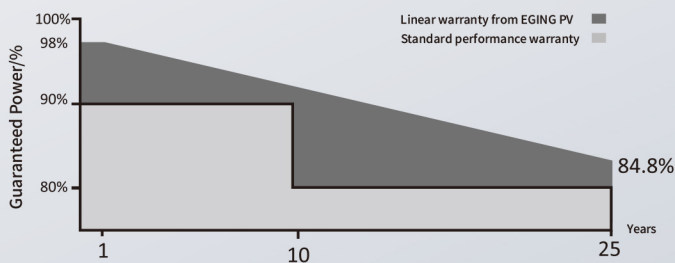


**Highly Strengthened Design**  
Certified to withstand:5400Pa snow load and 2400Pa wind load

## LINEAR PERFORMANCE WARRANTY

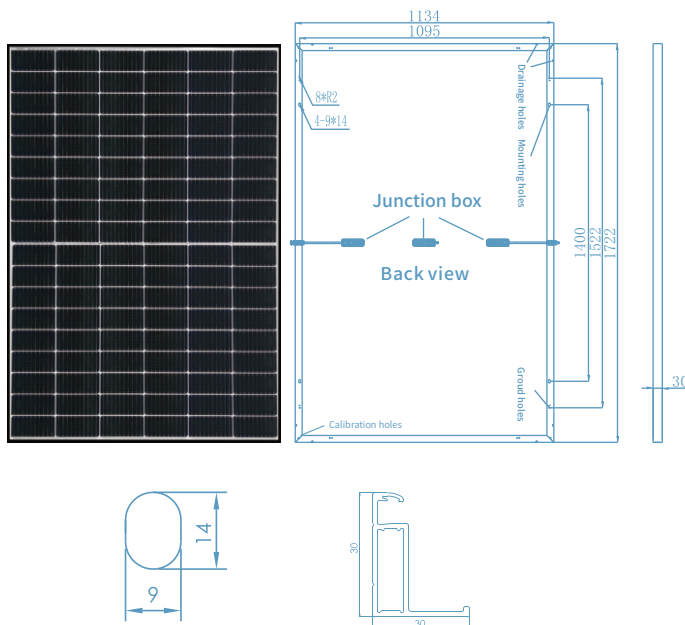
**25 Year Product Warranty** **25 Year Linear Power Warranty**

\*Subject to the terms and conditions contained in the applicable EGING PV Limited Warranty Statement. Also this 25-year limited product warranty is available only for products installed and operating on residential rooftops in Australia.

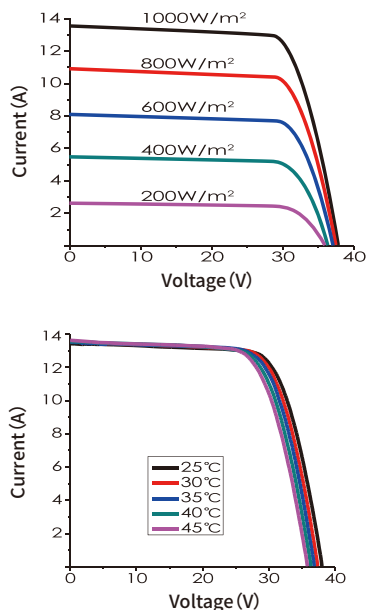


# EG-390M54-HL

## Engineering Drawings



## I-V Curves



## Packing Configuration

Pieces per pallet	35
Size of packing (mm)	1760*1140*1275
Weight of packing (kg)	752
Pieces per container	910
Size of container	40' HC

## Electrical Characteristics

Power level	390
Pmax (W)	390
Vmp (V)	30.79
Imp (A)	12.67
Voc (V)	36.69
Isc (A)	13.42
Module efficiency (%)	19.97
Maximum system voltage (V)	1000
Fuse Rating (A)	25
Power tolerance (%)	Pmax: ±3% Binning: ±5W Voc: ±5% Isc: ±5%
Temperature coefficient Pmax (°C)	-0.350
Temperature coefficient Isc (°C)	0.05
Temperature coefficient Voc (°C)	-0.275

STC: Irradiance 1000W/m², module temperature 25°C, AM=1.5

## Working Characteristics

Power level	390
Pmax (W)	295
Vmp (V)	28.45
Imp (A)	10.37
Voc (V)	34.13
Isc (A)	10.98
Power tolerance (%)	Pmax: ±3% Binning: ±5W
NOCT (°C)	44 ± 2

NOCT: Conditions: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s

## Mechanical Characteristics

Number of cells	108pcs
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	H12222-K 4mm² 01C1/05-8 TL-Cable01s/Staubli MC4
Length of Cable	1200mm

## Maximum Ratings

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

Revised in January 2022 1st Edition

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

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