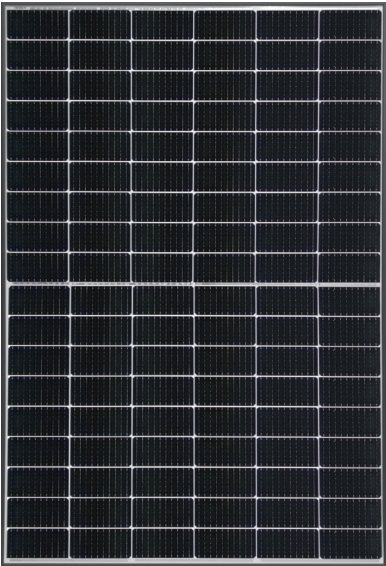


EG-(SERIES)M54-HL

108 HALF-CUT CELLS
MONOCRYSTALLINE MODULE

385Wp-405Wp
POWER RANGE

20.71%
MAXIMUM MODULE EFFICIENCY




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 405Wp
- 

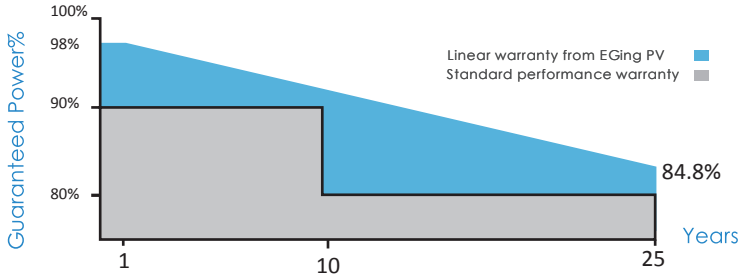
Excellent Low-light Performance
Advanced solar cell surface texturing technology allows for excellent performance in low-light environments
- 

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

LINEAR PERFORMANCE WARRANTY

15 Year Product Warranty · 25 Year Linear Power Warranty

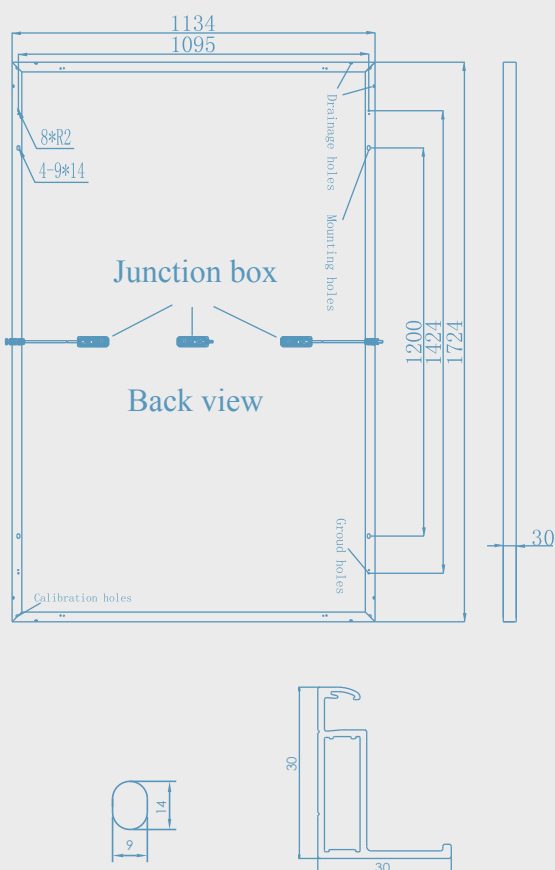


· ISO9001:2015, ISO14001:2015, ISO45001:2018
QC080000:2017, IEC TS 62941
certified factory

· IEC61215, IEC61730, UL1703, 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.

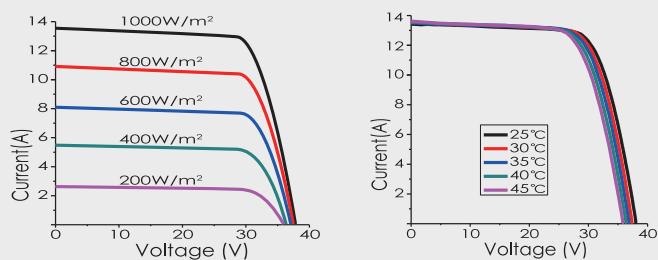
Engineering Drawings

Electrical Characteristics

STC	EG-385 M54-HL	EG-390 M54-HL	EG-395 M54-HL	EG-400 M54-HL	EG-405 M54-HL
Pmax (W)	385	390	395	400	405
Vmp (V)	30.54	30.79	31.03	31.28	31.52
Imp (A)	12.61	12.67	12.73	12.79	12.85
Voc (V)	36.44	36.69	36.93	37.18	37.42
Isc (A)	13.36	13.42	13.48	13.54	13.60
Module efficiency (%)	19.69	19.94	20.20	20.46	20.71
Maximum system voltage (V)	1000				
Fuse Rating Current (A)	25				
Tolerance (%)	Pmax:±3% Binning:±5W Voc:±5% Isc:±5%				
Temperature coefficient	Pmax (%/°C)	-0.350			
	Isc (%/°C)	0.05			
	Voc (%/°C)	-0.275			

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

NOCT	EG-385 M54-HL	EG-390 M54-HL	EG-395 M54-HL	EG-400 M54-HL	EG-405 M54-HL
Pmax (W)	291	295	299	303	307
Vmp (V)	28.20	28.45	28.70	28.94	29.19
Imp (A)	10.32	10.37	10.42	10.47	10.52
Voc (V)	33.89	34.13	34.35	34.58	34.81
Isc (A)	10.93	10.98	11.03	11.08	11.13
Power tolerance	Pmax:±3% Binning:±5W				

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

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

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
Fire class	Class C
Size of module (mm)	1724*1134*30
Weight (kg)	20.2
Cables/connectors	H1Z2Z2-K 4mm ² 01C1/05-8 TL-Cable01s / Staubli MC4
Length of Cabel(mm)	1200

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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