EGING PV

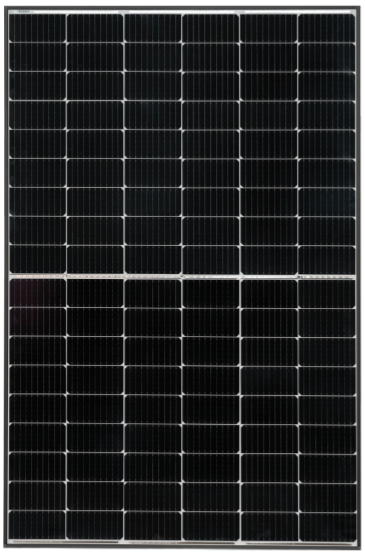
WWW.EGINGPV.COM

EG-(SERIES)M54-HL

108 HALF-CUT CELLS
MONOCRYSTALLINE MODULE

390Wp-420Wp
POWER RANGE

21.48%
MAXIUMUM MODULE EFFICIENCY



* Black Frames Applied

KEY FEATURES

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

High Efficiency
Leading PERC technology achieves higher module efficien-cy up to 21.48%

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

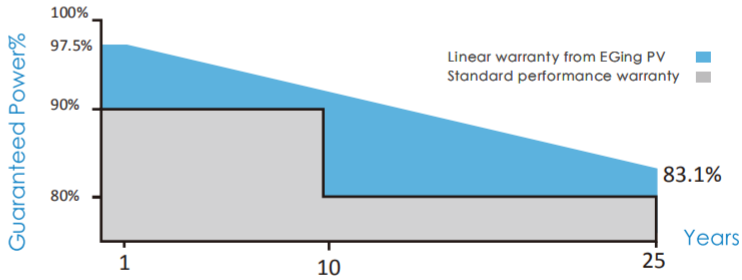
High Reliability
Strict in-house testing in PV Lab which is CNAS approved & VDE certified

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

IEC/TS62941-PV Module Qualification Management
ISO9001:2005- Factory Quality Management System
ISO14001:2015- Enviroment Managment System

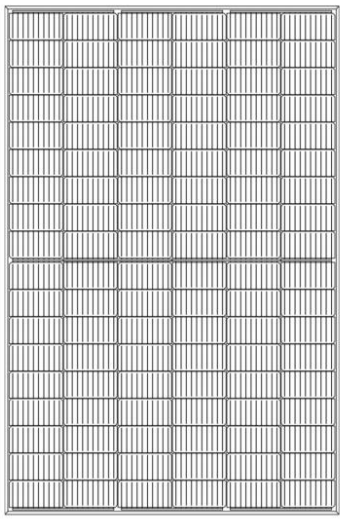
Eging started it's industrial manufactuering from 1995, and the PV division was founded in 2003.We are a high-tech company specialized in researching, develop-ing, manufacturing and selling photovoltaic prod-ucts. Eging has a full product lines including ingot, wafer, cell, and module . Our annual capacity reaches 5GW of solar cells and 5.5GW of solar modules by end of 2019 .Eging is one of the ONLY there companies who are above the bankrupcy risk line among all of public listed solar companies according to BNFF(Blommberg) report in Q3, 2019.

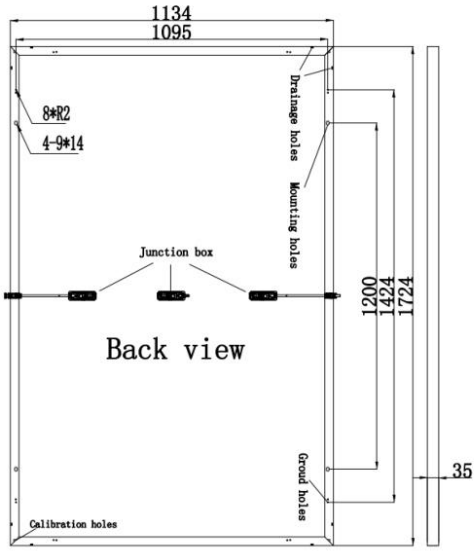
LINEAR PERFORMANCE WARRANTY
15 Year Product Warranty • 25 Year Linear Power Warranty



As a BloombergNEF Tier 1 and global leading manufacturer since 2003, EGing PV is committed to supplying reliable and durable PV products to customers to create together a greener planet.

EG-(SERIES)M54-HL





Mechanical Characteristics

Number of cells (pcs)	108
Size of cell (mm)	182*91
Type of cell	Mono
Size of module (mm)	1724*1134*35
Weight (kg)	20.7
Junction box	IP68
Cables/connectors	H1Z2Z2-K 4mm² 01C1/05-8/ TL-Cable01S/Staubli MC4

Maximum Ratings

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

Packing Configuration

Pieces per pallet	27
Size of packing (mm)	1760*1140*1275
Weight of packing (kg)	604
Pieces per container	806
Size of container	40′ HC

Electrical Characteristics

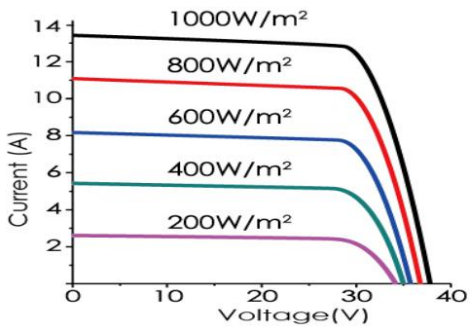
STC		EG-390 M54-HL	EG-400 M54-HL	EG-410 M54-HL	EG-415 M54-HL	EG-420 M54-HL
Pmax (W)		390	400	410	415	420
Vmp (V)		30.79	31.28	31.76	32.00	32.24
Imp (A)		12.67	12.79	12.91	12.97	13.03
Voc (V)		36.69	37.18	37.66	37.90	38.14
Isc (A)		13.42	13.54	13.66	13.72	13.78
Module efficiency (%)		19.94	20.20	20.97	21.22	21.48
Maximum system volt-age (V)		1000				
Fuse Rating Current (A)		30				
Power tolerance (%)		Pmax:±3% Binning:±5W、Voc:±5%、Isc:5%				
Tem-perature coeffi-cient	Pmax (%/°C)	-0.390				
	Isc (%/°C)	0.039				
	Voc (%/°C)	-0.295				

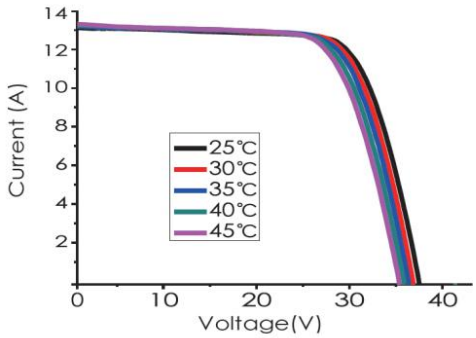
STC: Irradiance 1000W/m^2, module temperature 25°C, AM=1.5

NOCT	EG-390 M54-HL	EG-400 M54-HL	EG-410 M54-HL	EG-415 M54-HL	EG-420 M54-HL
Pmax (W)	295	303	310	314	318
Vmp (V)	28.45	28.94	29.36	29.60	29.84
Imp (A)	10.37	10.47	10.56	10.61	10.66
Voc (V)	34.13	34.58	35.03	35.25	35.48
Isc (A)	10.98	11.08	11.18	11.23	11.28
Power tolerance (%)	Pmax:±3% Binning:±5W				

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

I-V Curves





Revised in May, 2020

CAUTION: All rights reserved by EGing PV.
Specifications included in this datasheet are subject to change without notice.Made in China by Changzhou EGing Photovoltaic Co.,Ltd

WWW.EGINGPV.COM