

EG-(SERIES)M72-HE

144 HALF-CUT CELLS
MONOCRSTALLINE MODULE

450Wp-460Wp
POWER RANGE

21.26%
MAXIMUM MODULE EFFICIENCY



* Black Frames Applied



KEY FEATURES



Mbb half cell design

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



High Efficiency

Leading PERC technology achieves higher module efficiency up to 21.26%



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

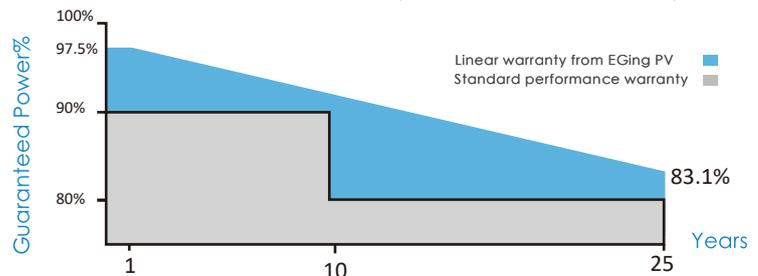


Highly Strengthened Design

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

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty · 25 Year Linear Power Warranty

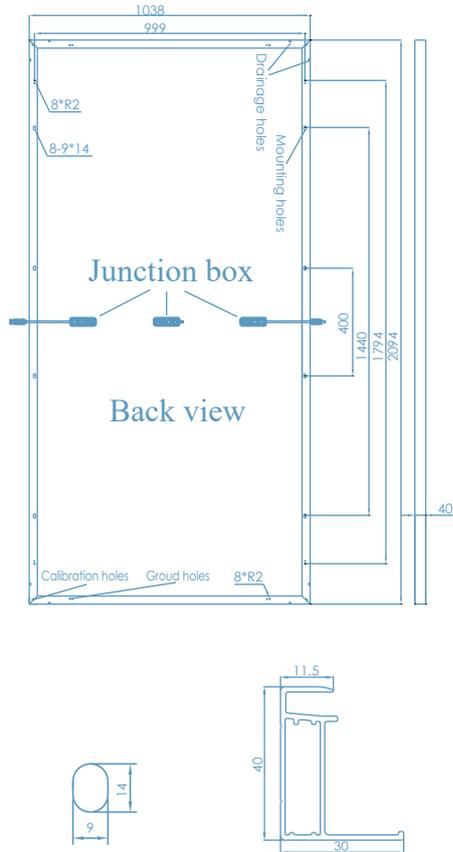


IEC/TS62941-PV Module Qualification Management
ISO9001:2005- Factory Quality Management System
ISO14001:2015- Environment Management System

Eging started its industrial manufacturing from 1995, and the PV division was founded in 2003. We are a high-tech company specialized in researching, developing, manufacturing and selling photovoltaic products. 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 three companies who are above the bankruptcy risk line among all of public listed solar companies according to BNFF (Bloomberg) report in Q3, 2019.



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.

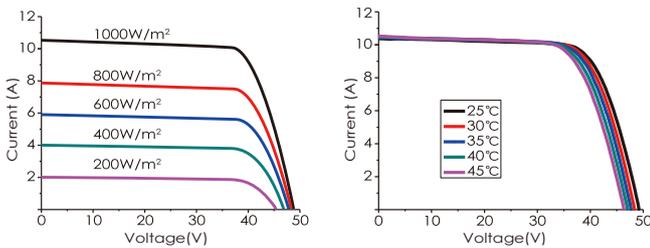
Engineering Drawings

Electrical Characteristics

STC	EG-450 M72-HE	EG-455 M72-HE	EG-460 M72-HE		
Pmax (W)	450	455	460		
Vmp (V)	41.56	41.75	41.94		
Imp (A)	10.83	10.90	10.97		
Voc (V)	49.87	50.06	50.25		
Isc (A)	11.30	11.37	11.44		
Module efficiency (%)	20.70	20.93	21.16		
Maximum system voltage (V)				1000	
Fuse Rating Current (A)				20	
Fire Rating				Class C	
Power tolerance (%)				Pmax:±3% Binning:±5W, Voc:±5%, Isc:±5%	
Temperature coefficient				Pmax (%/°C)	
				Isc (%/°C)	
				Voc (%/°C)	

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

NOCT	EG-450 M72-HE	EG-455 M72-HE	EG-460 M72-HE		
Pmax (W)	334	337	340		
Vmp (V)	38.57	38.7	38.82		
Imp (A)	8.66	8.71	8.76		
Voc (V)	46.89	47.02	47.15		
Isc (A)	9.16	9.22	9.28		
Power tolerance (%)				Pmax:±3% Binning:±5W	

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

I - V Curves

Mechanical Characteristics

Number of cells (pcs)	144
Size of cell (mm)	166*83
Type of cell	Mono
Size of module (mm)	2094*1038*40
Weight (kg)	23
Junction box	IP68(1m,1h)
Cables/connectors	H1Z2Z2-K 4mm ² 01C1/ TL-Cable01S/ Staubli MC4

Packing Configuration

Pieces per pallet	27
Size of packing (mm)	2130*1140*1190
Weight of packing (kg)	679
Pieces per container	594
Size of container	40' HC

Maximum Ratings

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

Revised in May, 2020

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