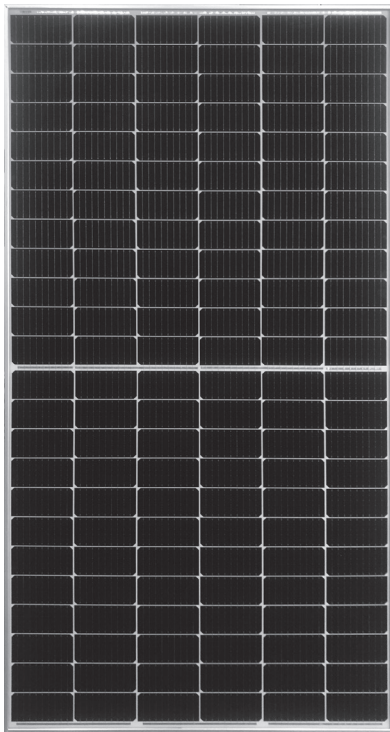


# EG-(SERIES)M72-HLV MONOCRYSTALLINE 144-CELL MODULE 520~ 540Wp

0~+3% POSITIVE TOLERANCE



\* Black Frames Applied

## 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 540Wp



### 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

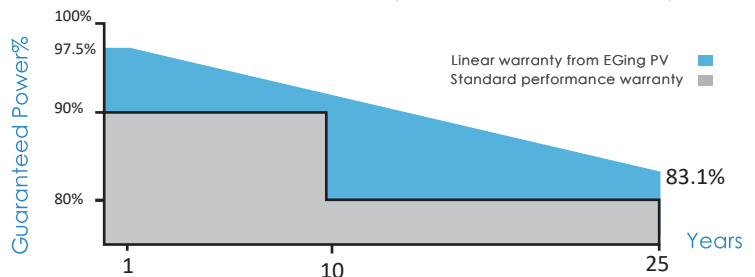


### PID Resistant

Excellent PID resistance performance optimized by unique structural design

## LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty · 25 Year Linear Power Warranty



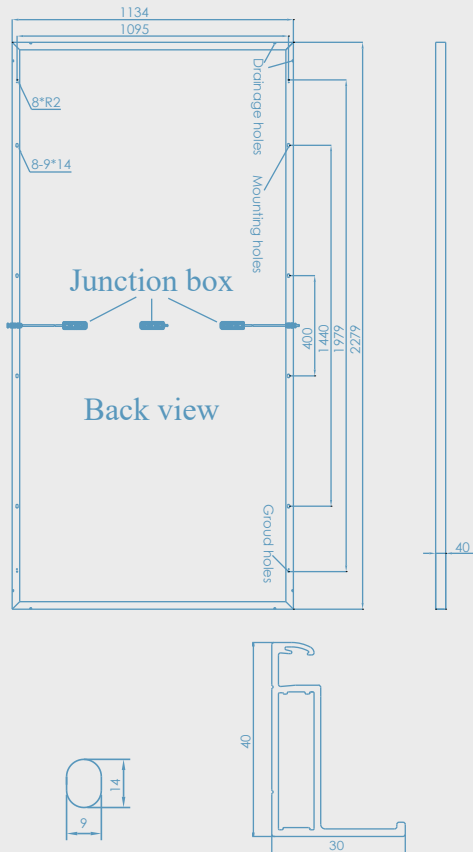
· ISO9001:2015, ISO14001:2015, ISO45001:2018  
QC080000:2017, IEC TS 62941  
certified factory

· 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

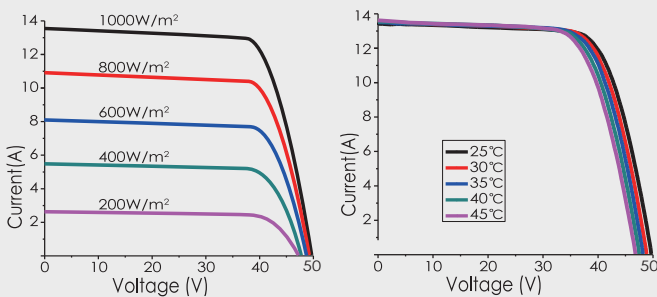
STC	EG-520 M72-HLV	EG-525 M72-HLV	EG-530 M72-HLV	EG-535 M72-HLV	EG-540 M72-HLV
Pmax (W)	520	525	530	535	540
Vmp (V)	41.11	41.34	41.57	41.80	42.03
Imp (A)	12.65	12.70	12.75	12.80	12.85
Voc (V)	49.38	49.50	49.63	49.76	49.89
Isc (A)	13.40	13.45	13.50	13.55	13.60
Module efficiency (%)	20.12	20.31	20.50	20.70	20.89
Maximum system voltage (V)	1500				
Fuse Rating Current (A)	20				
Power tolerance (%)	0~+3				
Temperature coefficient	Pmax (%/°C)	-0.390			
	Isc (%/°C)	0.039			
	Voc (%/°C)	-0.295			

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

NOCT	EG-520 M72-HLV	EG-525 M72-HLV	EG-530 M72-HLV	EG-535 M72-HLV	EG-540 M72-HLV
Pmax (W)	394	397	401	405	409
Vmp (V)	38.07	38.21	38.45	38.65	38.88
Imp (A)	10.35	10.39	10.43	10.48	10.52
Voc (V)	45.92	46.04	46.16	46.28	46.40
Isc (A)	10.96	11.01	11.05	11.09	11.13
Power tolerance (%)	0~+3				

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

## I - V Curves



## Packing Configuration

Pieces per pallet	27
Size of packing (mm)	2320*1140*1275
Weight of packing (kg)	787
Pieces per container	540
Size of container	40' HC

## Mechanical Characteristics

Number of cells (pcs)	144
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)	2279*1134*40
Weight (kg)	27.3
Cables/connectors	4mm <sup>2</sup> MC4 compatible
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 July, 2020

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