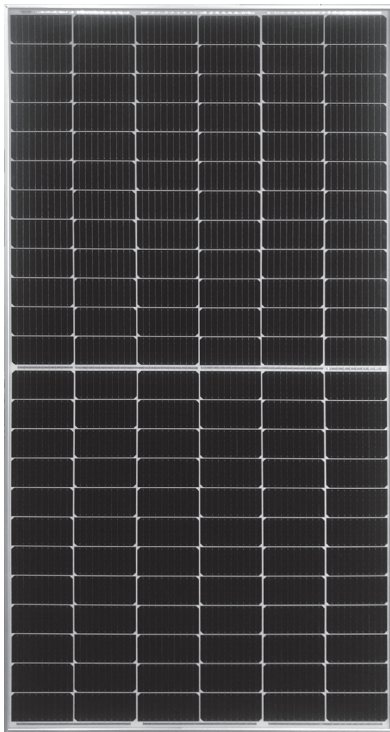


EG-(SERIES)M72-HL MONOCRYSTALLINE 144-CELL MODULE 520~ 540Wp

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

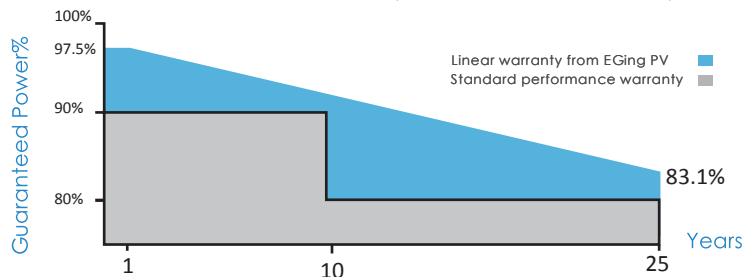


PID Resistant

Excellent PID resistance performance optimized by unique structural design

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty · 25 Year Linear Power Warranty



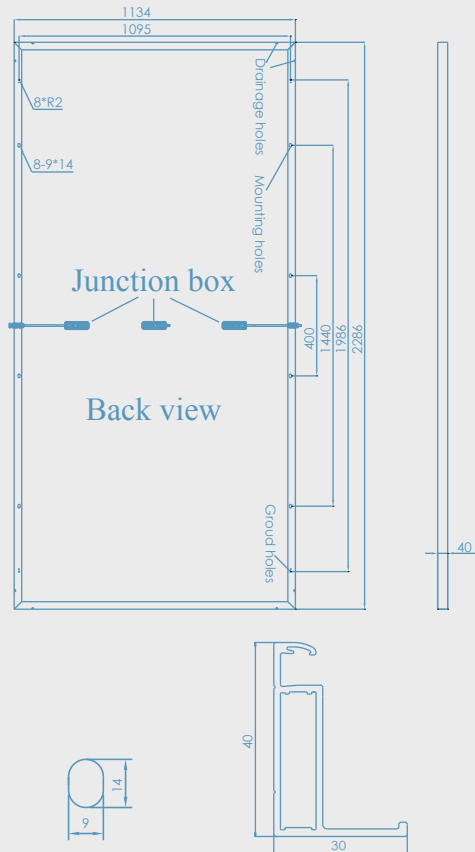
· ISO9001:2015, ISO14001:2015, ISO45001:2018
QC080000:2017, IEC TS 62941
certified factory

· 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

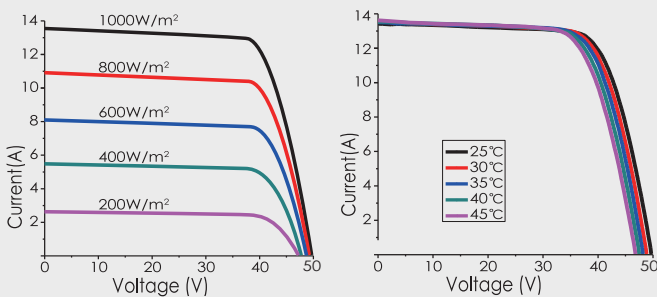
STC	EG-520 M72-HL	EG-525 M72-HL	EG-530 M72-HL	EG-535 M72-HL	EG-540 M72-HL
P _{max} (W)	520	525	530	535	540
V _{mp} (V)	41.11	41.34	41.57	41.80	42.03
I _{mp} (A)	12.65	12.70	12.75	12.80	12.85
V _{oc} (V)	49.38	49.50	49.63	49.76	49.89
I _{sc} (A)	13.40	13.45	13.50	13.55	13.60
Module efficiency (%)	20.05	20.25	20.44	20.63	20.83
Maximum system voltage (V)	1000				
Fuse Rating Current (A)	20				
Power tolerance (%)	0~+3				
Temperature coefficient	P _{max} (%/°C)	-0.390			
	I _{sc} (%/°C)	0.039			
	V _{oc} (%/°C)	-0.295			

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

NOCT	EG-430 M72-HL	EG-435 M72-HL	EG-440 M72-HL	EG-445 M72-HL	EG-450 M72-HL
P _{max} (W)	394	397	401	405	409
V _{mp} (V)	38.07	38.21	38.45	38.65	38.88
I _{mp} (A)	10.35	10.39	10.43	10.48	10.52
V _{oc} (V)	45.92	46.04	46.16	46.28	46.40
I _{sc} (A)	10.96	11.01	11.05	11.09	11.13
Power tolerance (%)	0~+3				

NOCT: Irradiance 800W/m², 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)	790
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)	2286*1134*40
Weight (kg)	27.4
Cables/connectors	4mm ² 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

CAUTION: All rights reserved by EGING PV.
Specifications included in this datasheet are subject to change without notice.