

EG-(SERIES)M72-HE MONOCRYSTALLINE 144-CELL MODULE 430~ 450Wp

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



High Efficiency

Leading PERC technology achieves higher module efficiency up to 20.70%



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

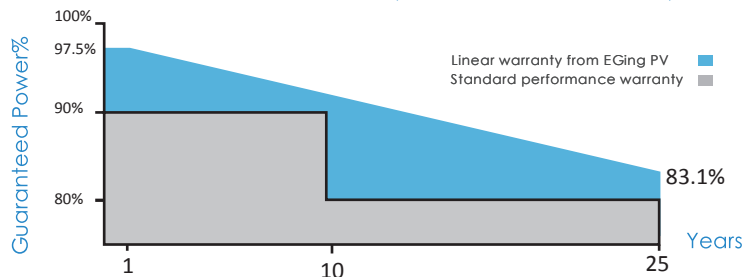


· ISO9001:2015, ISO14001:2015, ISO45001:2018
QC080000:2017, IEC TS 62941
certified factory

· IEC61215, IEC61730, UL1703, IEC62804, IEC62716
certified product

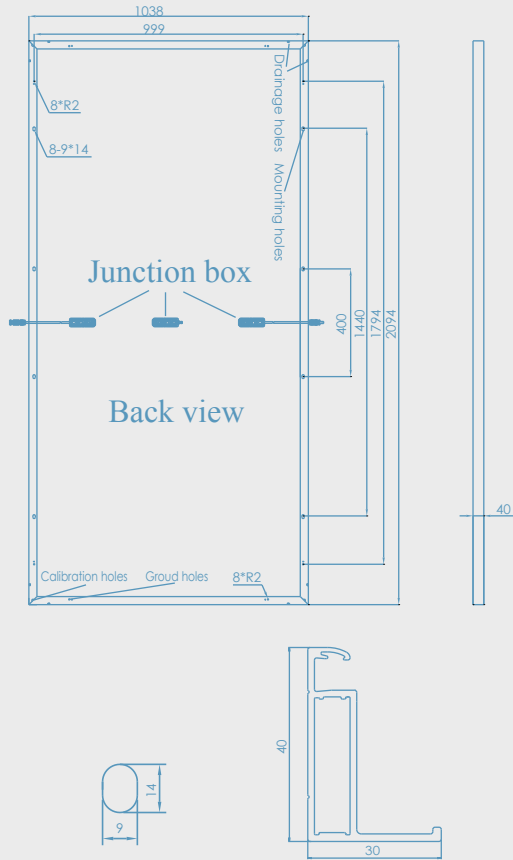
LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty · 25 Year Linear Power Warranty



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

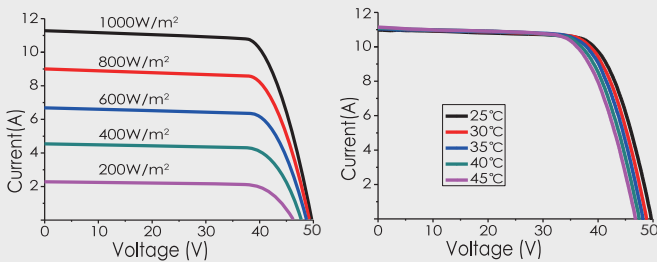
STC	EG-430 M72-HE	EG-435 M72-HE	EG-440 M72-HE	EG-445 M72-HE	EG-450 M72-HE
Pmax (W)	430	435	440	445	450
Vmp (V)	40.76	40.97	41.16	41.36	41.56
Imp (A)	10.55	10.62	10.69	10.76	10.83
Voc (V)	49.07	49.27	49.47	49.67	49.87
Isc (A)	11.02	11.09	11.16	11.23	11.30
Module efficiency (%)	19.78	20.01	20.24	20.47	20.70
Maximum system voltage (V)	1000				
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/m², module temperature 25°C, AM=1.5

NOCT	EG-430 M72-HE	EG-435 M72-HE	EG-440 M72-HE	EG-445 M72-HE	EG-450 M72-HE
Pmax (W)	320	323	327	330	334
Vmp (V)	37.83	38.00	38.21	38.38	38.57
Imp (A)	8.46	8.50	8.56	8.60	8.66
Voc (V)	46.12	46.35	46.49	46.70	46.89
Isc (A)	8.94	8.99	9.05	9.10	9.16
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)	2130*1140*1190
Weight of packing (kg)	671
Pieces per container	594
Size of container	40' HC

Mechanical Characteristics

Number of cells (pcs)	144
Size of cell (mm)	166*83
Type of cell	Mono
Thickness of glass(mm)	3.2
Type of frame	Anodized aluminum alloy
Junction box	IP68
Size of module (mm)	2094*1038*40
Weight (kg)	23
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

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