

STAR SERIES

MONO PERC
144-cell MODULE BIFACIAL

EG-560M72-HL/BF-DG

540~560W

0~3% POSITIVE TOLERANCE

KEY FEATURES



Mbb cell design
Multi Busbar cells bring lower resistance and increased Busbar reflectance ensures higher power output



High compatibility
Innovative 182mm big cell, small size model design, compatible to variance Roof-top and installation methodology



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



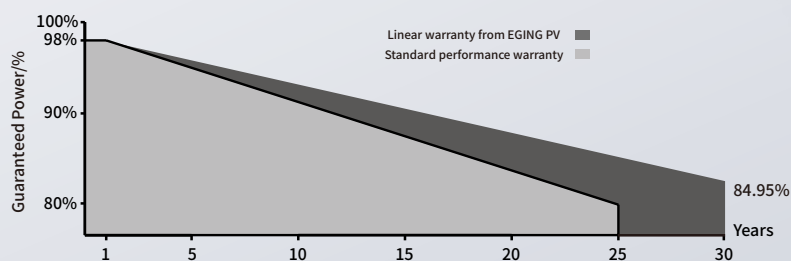
Excellent Low-light Performance
Advanced solar cell and glass surface texturing technology allows for excellent performance in low-light environments



PID Resistant
Excellent PID resistance performance optimized by unique structural design

LINEAR PERFORMANCE WARRANTY

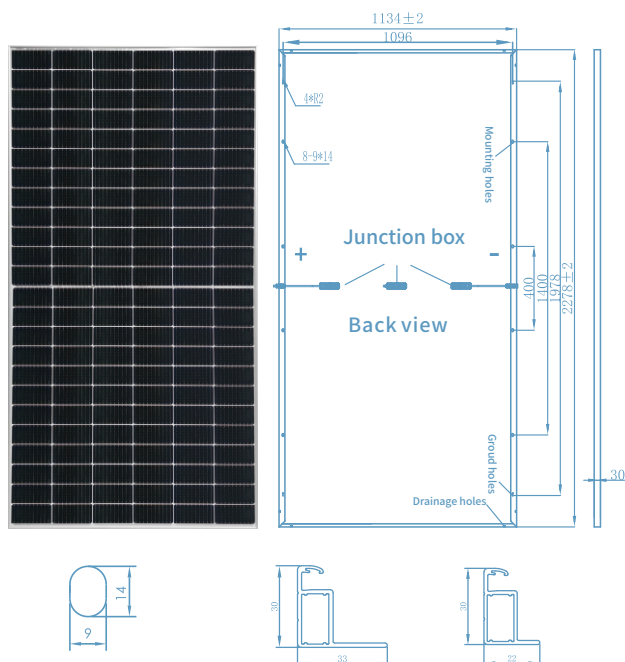
 12 Year Product Warranty  30 Year Linear Power Warranty



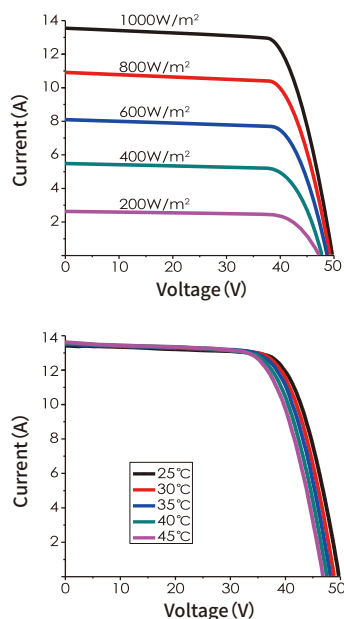
As a BloombergNEF Tier 1 and global leading manufacturer since 1998, EGING PV is committed to supplying reliable and durable PV products to customers to create together a greener planet.

EG-560M72-HL/BF-DG

Engineering Drawings



I-V Curves



Packing Configuration

Pieces per pallet	36
Size of packing (mm)	2320*1135*1255
Weight of packing (kg)	1186
Pieces per container	720
Size of container	40' HC

Electrical Characteristics(STC)

Power level	540	545	550	555	560
Pmax (W)	540	545	550	555	560
Vmp (V)	42.09	42.32	42.54	42.76	42.98
Imp (A)	12.83	12.88	12.93	12.98	13.03
Voc (V)	49.91	50.12	50.34	50.55	50.72
Isc (A)	13.58	13.63	13.68	13.73	13.78
Module efficiency (%)	20.90	21.09	21.29	21.48	21.68
Maximum system voltage (V)	1500				
Fuse Rating (A)	30				
Temperature coefficient Pmax (%/°C)	-0.350				
Temperature coefficient Isc (%/°C)	0.05				
Temperature coefficient Voc (%/°C)	-0.275				

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

Bifacial Output-Backside Power Gain

10%	Pmax(W)	594	599	605	611	616
	Module efficiency (%)	22.99	23.18	23.42	23.65	23.85
20%	Pmax(W)	648	654	660	666	672
	Module efficiency (%)	25.08	25.31	25.54	25.78	26.01

Working Characteristics(NOCT)

Power level	540	545	550	555	560
Pmax (W)	409	412	416	420	424
Vmp (V)	38.96	39.13	39.32	39.55	39.78
Imp (A)	10.50	10.53	10.58	10.62	10.66
Voc (V)	46.42	46.61	46.82	47.01	47.24
Isc (A)	11.11	11.16	11.20	11.24	11.30
Power tolerance (%)	0~+3				
NOCT (°C)	44±2				

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

Working Characteristics (BNPI)

Pmax (W)	591	597	602	607	613
Voc (V)	49.92	50.15	50.36	50.57	50.73
Isc (A)	14.86	14.92	14.97	15.03	15.08
Tolerance (%)	Pmax: ±3% Binning: ±5W Voc: ±5% Isc: ±5%				

BNPI:Front Irradiance1000W/m²,Rear Irradiance 135W/m², module temperature25°C, AM=1.5
Bifaciality:Pmax70%±5%, ϕ Voc99%±1%, ϕ Isc70%±5%

Mechanical Characteristics

Number of cells	144pcs
Size of cell (mm)	182*91
Type of cell	Mono
Thickness of glass (mm)	2.0
Type of frame	Anodized aluminum alloy
Junction box	IP68
Size of module (mm)	2278*1134*30
Weight (kg)	31.7
Cables/connectors	4mm ² , MC4 compatible
Length of Cable	Portrait: +300mm/-300mm

Maximum Ratings

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



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Specifications included in this datasheet are subject to change without notice.
The specific content of the product warranty refers to Eging's latest warranty.