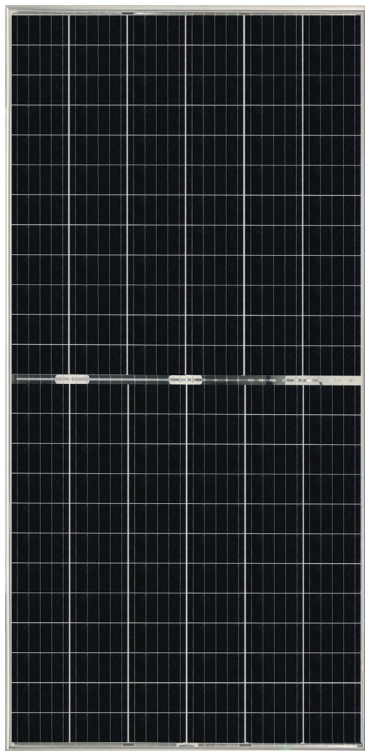


EG-M72-HD/BF-DG MONOCRYSTALLINE 144-CELL MODULE BIFACIAL

390 ~ 410Wp

1500V DC
0~+3% POSITIVE TOLERANCE



* Black Frames Applied



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

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

KEY FEATURES



Half cell design

The HC design 144-cell brings lower cell connection loss and lower thermal coefficients at high operation temperatures



High Efficiency

Leading PERC technology achieves higher module efficiency up to frontside 20.03% and 24.04% with backside 20% power boost



Excellent Low-light Performance

Advanced solar cell surface texturing technology allows for excellent performance in low-light environments.



High Reliability

0.5% annual degradation. Strict in-house testing in Lab which CNAS & VDE certified to ensure the 30year linear power warranty



Highly Strengthened Design

Framed Double Glass design. Certified to withstand: 5400Pa snow load and 2400Pa wind load

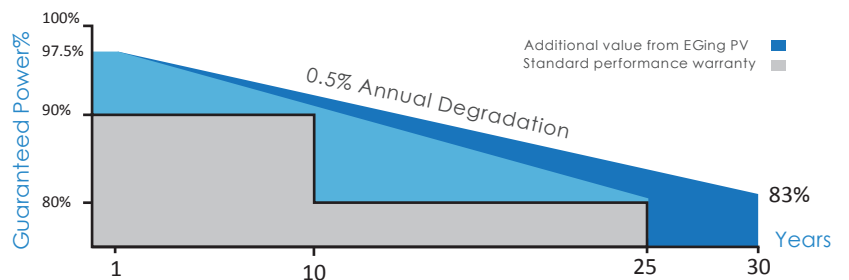


PID Resistant

PID issue is resolved by unique structural design

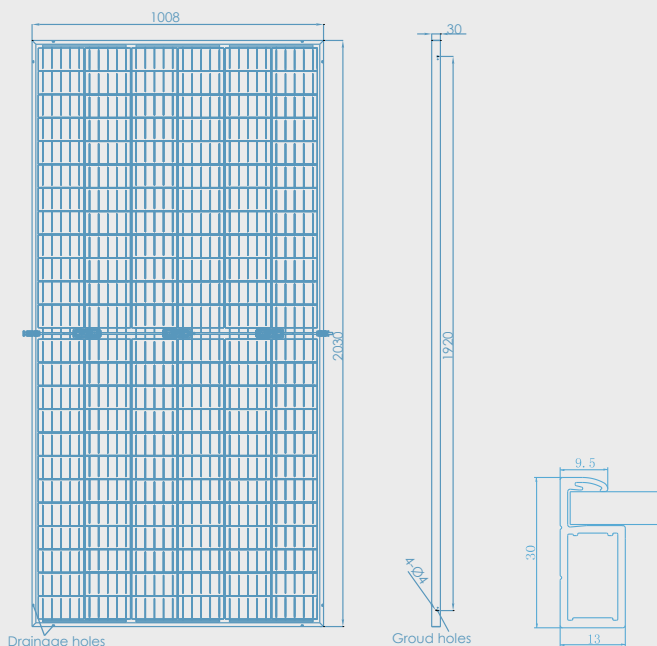
LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty · 30 Year Linear Power Warranty

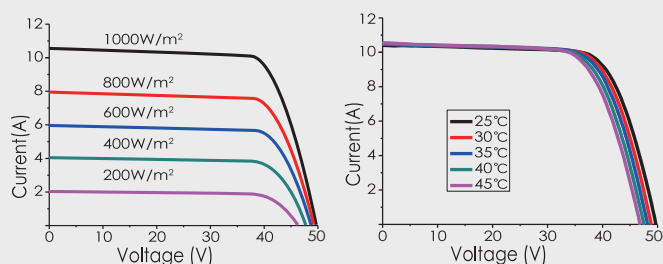


As a BloombergNEF Tier 1 and global leading manufacturer since 1998, Eging PV is committed to supplying reliable and durable PV products to customers to create together a greener planet.

Engineering Drawings



I - V Curves



Maximum Ratings

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

Packing Configuration

Pieces per pallet	35
Size of packing (mm)	2104*1140*1150
Weight of packing (kg)	1115
Pieces per container	770
Size of container	40' HC

Electrical Characteristics

STC	EG-390 M72-HD/ BF-DG	EG-395 M72-HD/ BF-DG	EG-400 M72-HD/ BF-DG	EG-405 M72-HD/ BF-DG	EG-410 M72-HD/ BF-DG
Pmax (W)	390	395	400	405	410
Vmp (V)	39.80	39.98	40.17	40.34	40.52
Imp (A)	9.80	9.88	9.96	10.04	10.12
Voc (V)	49.05	49.23	49.42	49.61	49.79
Isc (A)	10.30	10.38	10.46	10.54	10.62
Module efficiency (%)	19.05	19.30	19.54	19.79	20.03
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/m², module temperature 25°C, AM=1.5

Bifacial Output-Backside Power Gain

10%	Pmax (W)	429	435	440	446	451
	Module efficiency (%)	20.96	21.25	21.50	21.79	22.04
20%	Pmax (W)	468	474	480	486	492
	Module efficiency (%)	22.87	23.16	23.45	23.75	24.04

NOCT	EG-390 M72-HD/ BF-DG	EG-395 M72-HD/ BF-DG	EG-400 M72-HD/ BF-DG	EG-405 M72-HD/ BF-DG	EG-410 M72-HD/ BF-DG
Pmax (W)	289	292	296	300	303
Vmp (V)	36.63	36.73	36.91	37.09	37.18
Imp (A)	7.89	7.95	8.02	8.09	8.15
Voc (V)	45.14	45.22	45.40	45.62	45.68
Isc (A)	8.30	8.35	8.41	8.49	8.56
Power tolerance (%)	0~+3				

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

Mechanical Characteristics

Number of cells (pcs)	144
Size of cell (mm)	158.75*79.375
Type of cell	Mono
Size of module (mm)	2030*1008*30
Weight (kg)	30.3
Junction box	IP68
Cables/connectors	4mm ² MC4 compatible
Length of Cabel(mm)	1200