

# EG-(SERIES)M72-HD MONOCRYSTALLINE 144-CELL MODULE 390~ 410Wp

0~+3% POSITIVE TOLERANCE

## 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 20.37%



### 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 & VDE certified



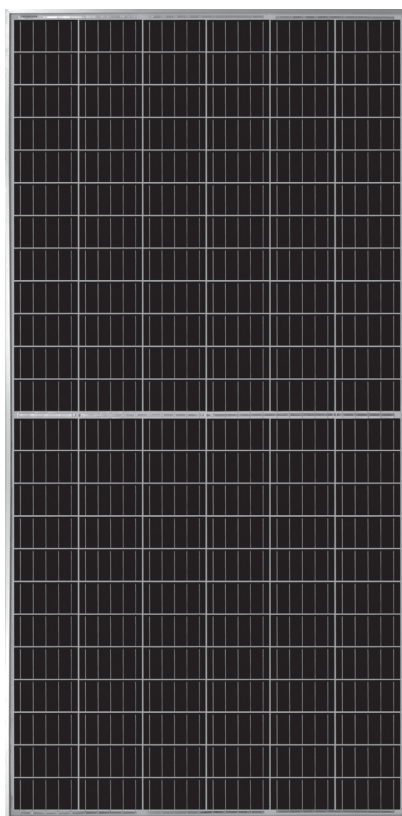
### Highly Strengthened Design

Certified to withstand: 5400Pa snow load and 2400Pa wind load



### PID Resistant

Excellent PID optimized, 1% less power degradation

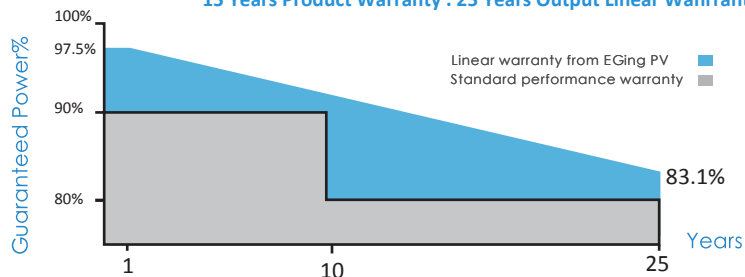


\* Black Frames Applied



## LINEAR PERFORMANCE WARRANTY

15 Years Product Warranty . 25 Years Output Linear Warranty



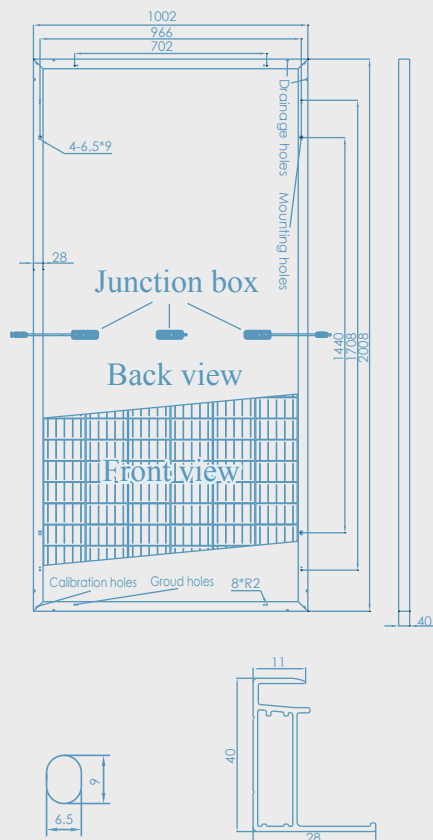
· ISO9001:2015, ISO14001:2015, ISO45001:2018  
QC080000:2017, IEC TS 62941  
certified factory

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

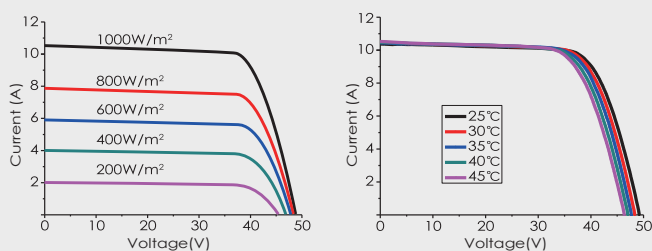


As a BloombergNEF Tier 1 and global leading manufacturer since 1998, EGING PV is committed to supplying reliable and durable PV products to customers to create together a greener planet.

## Engineering Drawings



## I - V Curves



## Packing Configuration

Pieces per pallet	27
Size of packing (mm)	2042*1140*1150
Weight of packing (kg)	633
Pieces per container	594
Size of container	40' HC

## Electrical Characteristics

STC	EG-390 M72-HD	EG-395 M72-HD	EG-400 M72-HD	EG-405 M72-HD	EG-410 M72-HD
Pmax (W)	390	395	400	405	410
Vmp (V)	39.72	39.90	40.09	40.26	40.44
Imp (A)	9.82	9.90	9.98	10.06	10.14
Voc (V)	48.87	49.06	49.24	49.43	49.62
Isc (A)	10.26	10.34	10.42	10.50	10.58
Module efficiency (%)	19.38	19.63	19.88	20.12	20.37
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/m<sup>2</sup>, module temperature 25°C, AM=1.5

NOCT	EG-390 M72-HD	EG-395 M72-HD	EG-400 M72-HD	EG-405 M72-HD	EG-410 M72-HD
Pmax (W)	289	292	296	300	303
Vmp (V)	36.54	36.64	36.82	37.04	37.14
Imp (A)	7.91	7.97	8.04	8.10	8.16
Voc (V)	44.96	45.05	45.23	45.48	45.58
Isc (A)	8.27	8.34	8.40	8.46	8.51
Power tolerance (%)	0~+3				

NOCT: Irradiance 800W/m<sup>2</sup>, 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
Thickness of glass (mm)	3.2
Type of frame	Anodized aluminum alloy
Junction box	IP68
Size of module (mm)	2008*1002*40
Weight (kg)	21.6
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