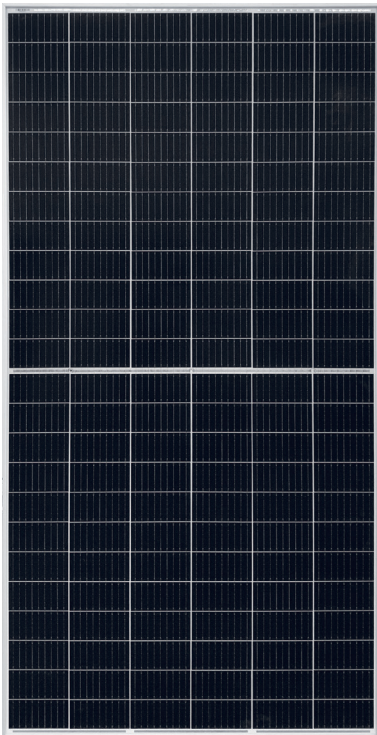


EG-(SERIES)M72-HD MONOCRYSTALLINE 144-CELL MODULE 400~ 420Wp

0~+3% POSITIVE TOLERANCE



* Black Frames Applied
* 5BB/9BB Cells Applied



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

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

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 20.87%



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

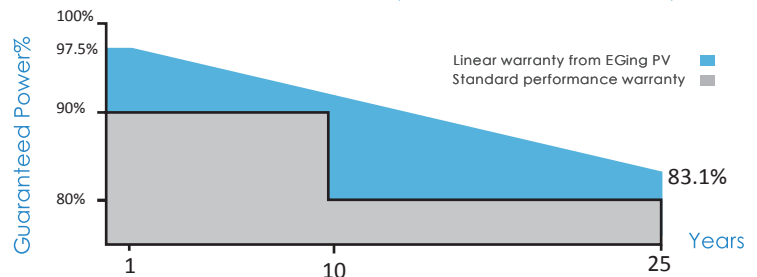


PID Resistant

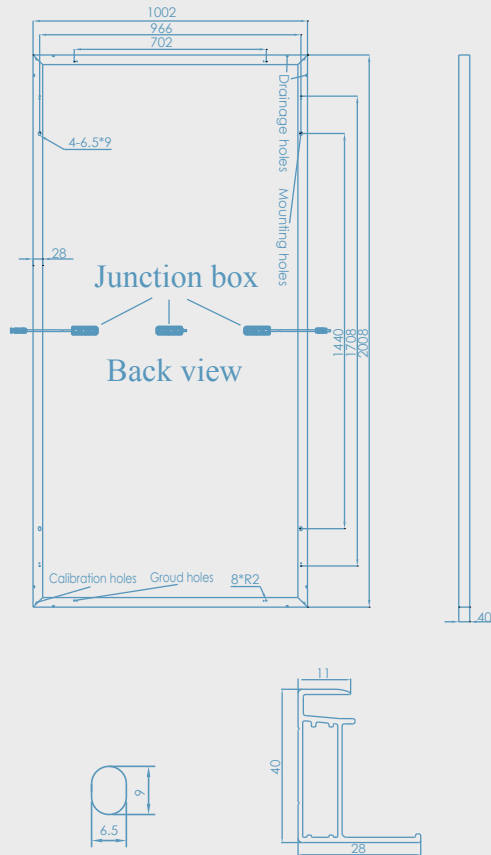
Excellent PID resistance performance optimized by unique structural design

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty · 25 Year Linear Power Warranty



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.

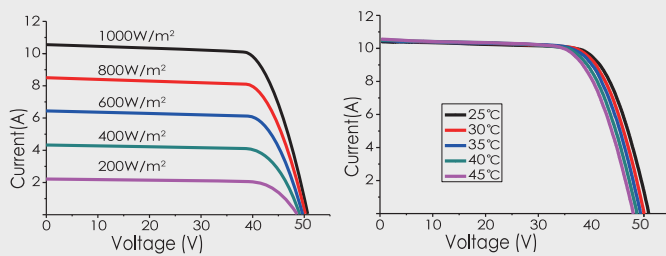
Engineering Drawings

Electrical Characteristics

| STC | EG-400 M72-HD | EG-405 M72-HD | EG-410 M72-HD | EG-415 M72-HD | EG-420 M72-HD |
|----------------------------|---------------|---------------|---------------|---------------|---------------|
| Pmax (W) | 400 | 405 | 410 | 415 | 420 |
| Vmp (V) | 40.09 | 40.26 | 40.44 | 40.61 | 40.82 |
| Imp (A) | 9.98 | 10.06 | 10.14 | 10.22 | 10.29 |
| Voc (V) | 49.24 | 49.43 | 49.62 | 49.80 | 50.00 |
| Isc (A) | 10.42 | 10.50 | 10.58 | 10.66 | 10.73 |
| Module efficiency (%) | 19.88 | 20.12 | 20.37 | 20.62 | 20.87 |
| 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-400 M72-HD | EG-405 M72-HD | EG-410 M72-HD | EG-415 M72-HD | EG-420 M72-HD |
|---------------------|---------------|---------------|---------------|---------------|---------------|
| Pmax (W) | 296 | 300 | 303 | 307 | 311 |
| Vmp (V) | 36.82 | 37.04 | 37.14 | 37.35 | 37.47 |
| Imp (A) | 8.04 | 8.10 | 8.16 | 8.22 | 8.30 |
| Voc (V) | 45.23 | 45.48 | 45.58 | 45.80 | 45.98 |
| Isc (A) | 8.40 | 8.46 | 8.51 | 8.57 | 8.63 |
| 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) | 2042*1140*1150 |
| Weight of packing (kg) | 633 |
| Pieces per container | 594 |
| Size of container | 40' HC |

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 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.