

EG-(SERIES)M72-HE

144 HALF-CUT CELLS

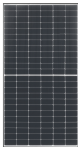
MONOCRYSTALLINE MODULE

420-460Wp

POWER RANGE

21.16%

MAXIMUM MODULE EFFICIENCY



KEY FEATURES



Wide half cell design

Half-cut cells bring lower resistance and increased multi-lumen reflectance ensures higher power output



High Efficiency

Leading PERC technology achieves higher module efficiency up to 21.8%



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/VDI certified

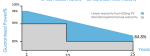


Highly Strengthened Design

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

LINEAR PERFORMANCE WARRANTY

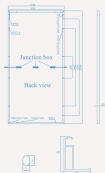
15 Year Product Warranty - 25 Year Linear Power Warranty



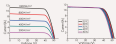
• ISO9001:2015, ISO 14001:2015, ISO45001:2018
SGS2000002017, IEC TS 61641
certified factory

• IEC61215, IEC61738, UL1703, IEC61804, IEC62716
certified products

Engineering Drawings



I-V Curves



Packing Configuration

Pieces per pallet	20
Stacking (mm)	2500 (LxHxW)
Height (stacking) (kg)	870
Pieces per container	400
Stack container	40 (m)

Electric Characteristics

STC	0.5%	0.6%	0.7%	0.8%	0.9%	1.0%	1.1%	1.2%	1.3%
Power (W)	450	455	460	465	470	475	480	485	490
V _{mp} (V)	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
I _{mp} (A)	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
V _{oc} (V)	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
SC (A)	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
Module efficiency (%)	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
Maximum system voltage (V)	1000								
Peak Rating Current (A)	20								
Temperature coefficient	-0.005								
Power factor (%)	0.99								

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

NOCT	0.5%	0.6%	0.7%	0.8%	0.9%	1.0%	1.1%	1.2%	1.3%
Power (W)	370	375	380	385	390	395	400	405	410
V _{mp} (V)	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
I _{mp} (A)	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
V _{oc} (V)	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
SC (A)	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
Power factor (%)	0.99								

NOCT: Irradiance 800W/m², ambient temperature 30°C, wind speed 1m/s

Mechanical Characteristics

Number of cells (60x60)	144
Size of cell (mm)	166*166
Type of cell	Monocrystalline
Thickness of glass (mm)	3.2
Type of frame	Anodized aluminum alloy
Junction type	PERC
Refractive index	1.5
Size of module (mm)	1950*1080*35
Weight (kg)	22
Cable connection	MC4 compatible (16AWG/20AWG)
Length of Cable (mm)	1200

Maximum Ratings

Operating Temperature (°C)	-40~85
Operating Humidity (%)	0~95
Allowable Hall Load	2500g (10N) with velocity of 20mm/s