







# CONVENTION SERIES MONOCRYSTALLINE 120-cell MODULE

## EG-380M60-HEV

### 360~380W

0~3% POSITIVE TOLERANCE

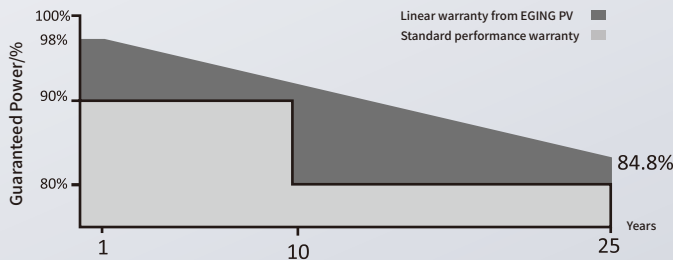
### KEY FEATURES

- 
**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 20.85%
- 
**High Reliability**  
 Strict in-house testing in PV Lab which is CNAS approved & TUV /VDE certified
- 
**Excellent Low-light Performance**  
 Advanced solar cell surface texturing technology allows for excellent performance in low-light environments
- 
**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

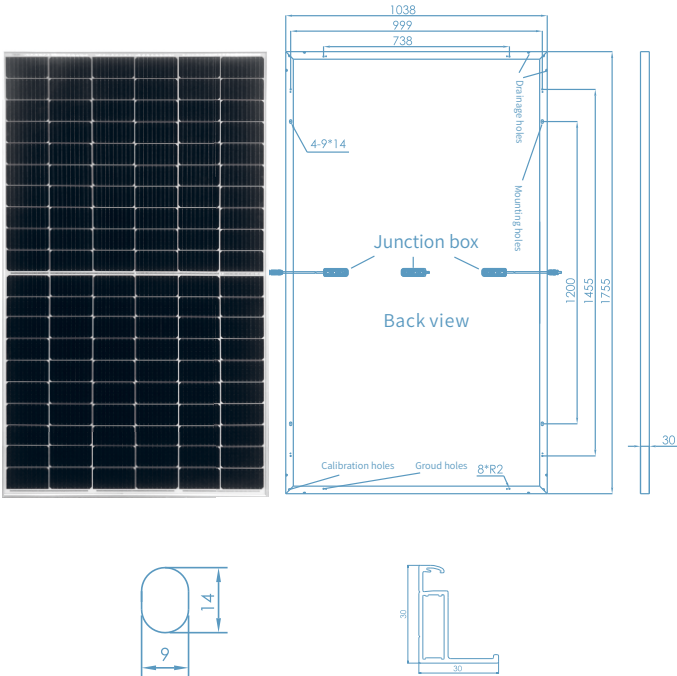
 12 Year Product Warranty  25 Year Linear Power Warranty



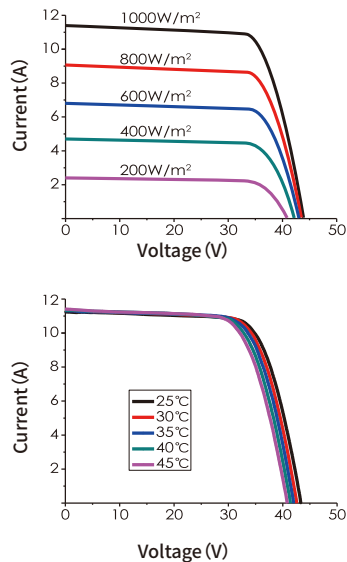
As a BloombergNEF Tier 1 and global leading manufacturer since 1998, EGING PV is committed to supplying reliable and durable PV products to customers to create together a greener planet.

# EG-380M60-HEV

## Engineering Drawings



## I-V Curves



## Packing Configuration

Pieces per pallet	36
Size of packing (mm)	1790*1140*1190
Weight of packing (kg)	729
Pieces per container	936
Size of container	40'HC

## Electrical Characteristics

Power level	360	365	370	375	380
Pmax (W)	360	365	370	375	380
Vmp (V)	34.00	34.21	34.42	34.63	34.84
Imp (A)	10.59	10.67	10.75	10.83	10.91
Voc (V)	40.87	41.06	41.28	41.49	41.69
Isc (A)	11.08	11.16	11.24	11.32	11.40
Module efficiency (%)	19.76	20.03	20.31	20.58	20.85
Maximum system voltage (V)	1500				
Fuse Rating (A)	20				
Temperature coefficient	-0.350				
Temperature coefficient Isc (%°C)	0.05				
Temperature coefficient Voc (%°C)	-0.275				

STC:Irradiance 1000W/m<sup>2</sup>,module temperature 25°C,AM=1.5

## Working Characteristics

Power level	360	365	370	375	380
Pmax (W)	266	270	274	278	281
Vmp (V)	31.19	31.40	31.64	31.85	31.97
Imp (A)	8.53	8.60	8.66	8.73	8.79
Voc (V)	37.49	37.68	37.94	38.16	38.26
Isc (A)	8.93	8.99	9.06	9.12	9.19
Power tolerance (%)	0~+3				
NOCT (°C)	44±2				

NOCT:Conditions:Irradiance 800W/m<sup>2</sup>,ambient temperature 20°C, wind speed 1m/s

## Mechanical Characteristics

Number of cells	120pcs
Size of cell (mm)	166*83
Type of cell	Mono
Thickness of glass (mm)	3.2
Type of frame	Anodized aluminum alloy
Junction box	IP68
Size of module (mm)	1755*1038*30
Weight (kg)	19
Cables/connectors	4mm <sup>2</sup> , MC4 compatible
Length of Cabel	Portrait: +300mm/-300mm

## Maximum Ratings

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

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CAUTION:All rights reserved by EGING PV.

Specifications included in this datasheet are subject to change without notice.



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