






# AURORA SERIES MONO PERC 120-cell MODULE

## EG-610M60-HUV

# 595~610W

0~3% POSITIVE TOLERANCE

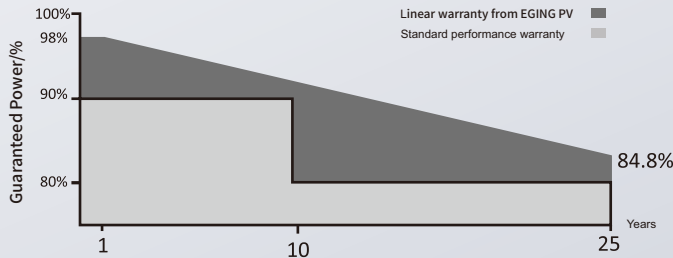
### KEY FEATURES

- 
**Mbb cell design**  
 Multi Busbar cells brings lower resistance and increased Busbar reflectance ensures higher power output
- 
**Low degradation**  
 All single crystal cells are produced by using gallium-doped silicon wafer, which has better anti-degradation ability and ensures durable and stable efficient power generation
- 
**High Reliability**  
 Strict in-house testing in PV Lab which is CNAS approved & TUV /VDE certified
- 
**Excellent Low-light Performance**  
 Advanced solar cell and glass surface texturing technology allows for excellent performance in low-light environments
- 
**PID Resistant**  
 Excellent PID resistance performance optimized by unique structural design



### LINEAR PERFORMANCE WARRANTY

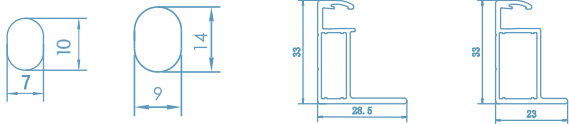
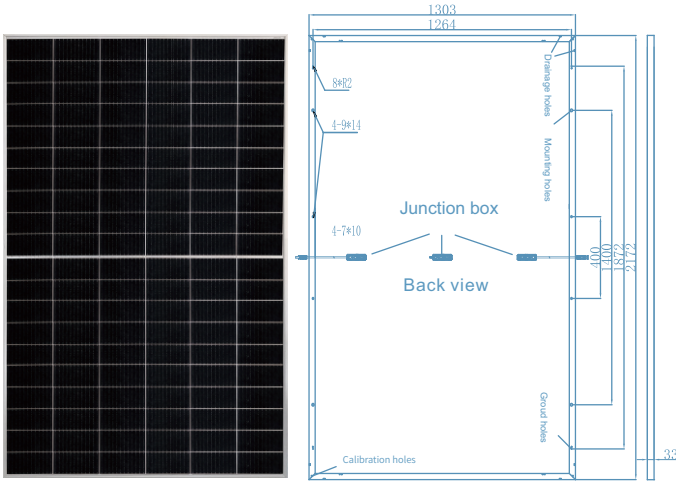
 12 Year Product Warranty  25 Year Linear Power Warranty



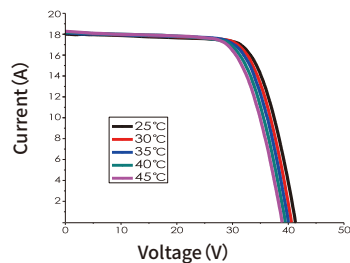
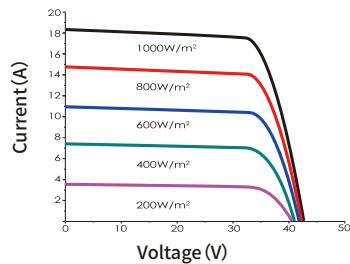
As a BloombergNEF Tier 1 and global leading manufacturer since 1998, EGING PV is committed to supplying reliable and durable PV products to customers to create together a greener planet.

# EG-610M60-HUV

## Engineering Drawings



## I-V Curves



## Packing Configuration

Pieces per pallet	33
Size of packing (mm)	1315*1095*2300
Weight of packing (kg)	1025
Pieces per container	594
Size of container	40' HC

## Electrical Characteristics

Power level	595	600	605	610
Pmax (W)	595	600	605	610
Vmp (V)	34.20	34.39	34.60	34.78
Imp (A)	17.40	17.45	17.49	17.54
Voc (V)	41.30	41.49	41.70	41.90
Isc (A)	18.45	18.50	18.54	18.59
Module efficiency (%)	21.02	21.20	21.37	21.55
Maximum system voltage (V)	1500			
Fuse Rating (A)	30			
Temperature coefficient Pmax (%/°C)	-0.34			
Temperature coefficient Isc (%/°C)	0.04			
Temperature coefficient Voc (%/°C)	-0.25			

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

## Working Characteristics

Power level	595	600	605	610
Pmax (W)	451	454	458	462
Vmp (V)	31.92	32.02	32.21	32.38
Imp (A)	14.13	14.18	14.22	14.27
Voc (V)	38.92	39.12	39.31	39.48
Isc (A)	14.88	14.92	14.96	15.01
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)	210*105
Type of cell	Mono
Thickness of glass (mm)	3.2
Type of frame	Anodized aluminum alloy
Junction box	IP68
Size of module (mm)	2172*1303*33
Weight (kg)	29.7
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

Revised in March 2024 1st Edition

CAUTION: All rights and explain reserved by EGING PV.  
Specifications included in this datasheet are subject to change without notice.  
The specific content of the product warranty refers to EGING's latest warranty.



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