

AURORA SERIES

MONO PERC
120-cell MODULE BIFACIAL

EG-610M60-HU/BF-DG

595~610W

0~3% POSITIVE TOLERANCE

KEY FEATURES



Mbb cell design

Multi Busbar cells bring 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

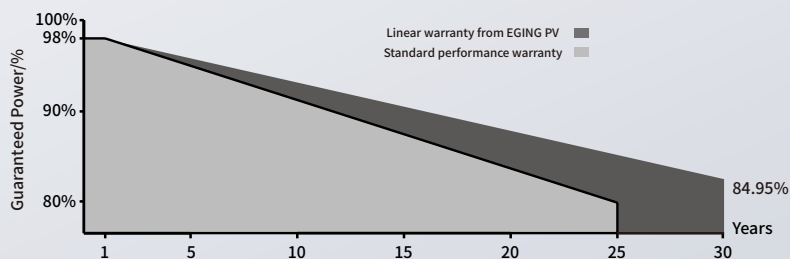


PID Resistant

Excellent PID resistance performance optimized by unique structural design

LINEAR PERFORMANCE WARRANTY

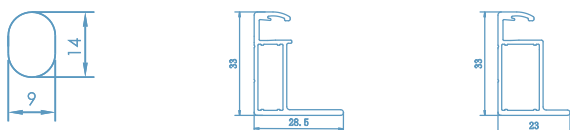
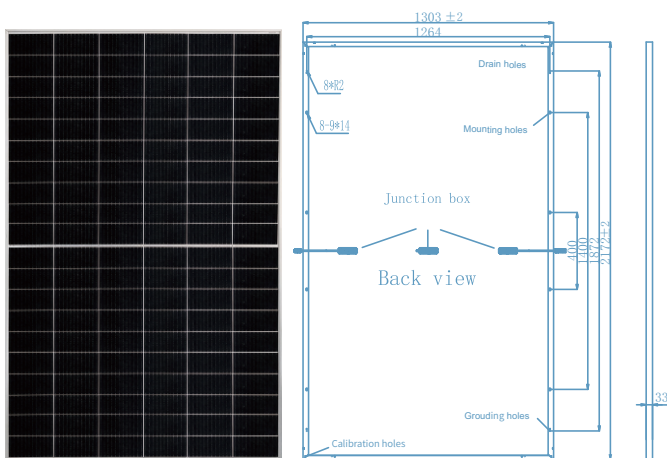
12 12 Year Product Warranty **30** 30 Year Linear Power Warranty



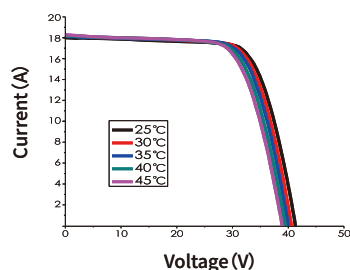
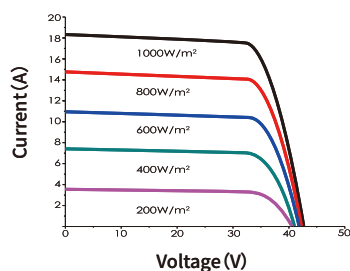
As a BloombergNEF Tier 1 and global leading manufacturer since 1998, EGING PV is committed to supplying reliable and durable PV products to customers to create together a greener planet.

EG-610M60-HU/BF-DG

Engineering Drawings



I-V Curves



Packing Configuration

Pieces per pallet	33
Size of packing (mm)	1350*1130*2300
Weight of packing (kg)	1205
Pieces per container	594
Size of container	40' HC

Electrical Characteristics(STC)

Power level	595	600	605	610
Pmax (W)	595	600	605	610
Vmp (V)	34.40	34.59	34.80	34.98
Imp (A)	17.30	17.35	17.39	17.44
Voc (V)	41.50	41.69	41.90	42.10
Isc (A)	18.35	18.40	18.44	18.49
Module efficiency (%)	21.02	21.20	21.37	21.55
Maximum system voltage (V)	1500			
Fuse Rating (A)	35			
Temperature coefficient Pmax (%/°C)	-0.34			
Temperature coefficient Isc (%/°C)	0.04			
Temperature coefficient Voc (%/°C)	-0.25			

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

Bifacial Output-Backside Power Gain

	Pmax(W)	654	660	665	671
10%	Module efficiency (%)	23.11	23.32	23.50	23.71
20%	Pmax(W)	714	720	726	732
	Module efficiency (%)	25.23	25.44	25.65	25.86

Working Characteristics(NOCT)

Power level	595	600	605	610
Pmax (W)	451	454	458	462
Vmp (V)	31.86	31.98	32.19	32.38
Imp (A)	14.16	14.20	14.23	14.27
Voc (V)	38.60	38.77	38.97	39.15
Isc (A)	15.02	15.06	15.09	15.13
Power tolerance (%)	0~+3			
NOCT (°C)	44 ± 2			

NOCT: Conditions: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s

Working Characteristics (BNPI)

Pmax (W)	668	673	679	684	690
Voc (V)	42.12	42.30	42.49	42.67	42.85
Isc (A)	20.24	20.29	20.35	20.40	20.46
Tolerance (%)	Pmax: ± 3% Binning: ± 5W Voc: ± 5% Isc: ± 5%				

BNPI: Front Irradiance 1000W/m², Rear Irradiance 135W/m², module temperature 25°C, AM=1.5
Bifaciality: Pmax 70% ± 5%, Voc 99% ± 1%, Isc 70% ± 5%

Mechanical Characteristics

Number of cells	120pcs
Size of cell (mm)	210*105
Type of cell	Mono
Thickness of glass (mm)	2.0
Type of frame	Anodized aluminum alloy
Junction box	IP68
Size of module (mm)	2172*1303*33
Weight (kg)	34.7
Cables/connectors	4mm², MC4 compatible
Length of Cable	Portrait: +300mm/-300mm

Maximum Ratings

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



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The specific content of the product warranty refers to EGING's latest warranty.