

AURORA SERIES MONO PERC 120-cell MODULE BIFACIAL

EG-605M60-HU/BF-DG

585~605W

0~3% POSITIVE TOLERANCE

KEY FEATURES



Mbb cell design
Multi Busbar cells bring lower resistance and increased Busbar reflectance ensuring 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



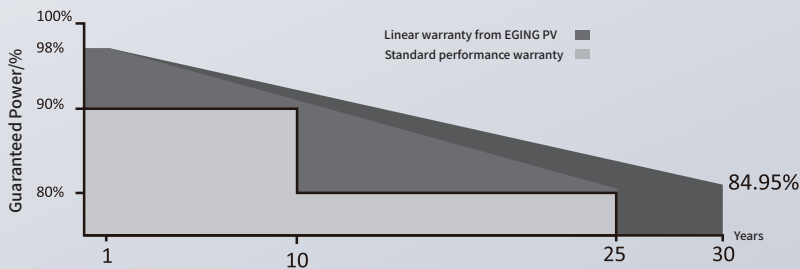
Excellent Low-light Performance
Advanced solar cell and glass surface texturing technology allows for excellent performance in low-light environments



PID Resistant
Excellent PID resistance performance optimized by unique structural design

LINEAR PERFORMANCE WARRANTY

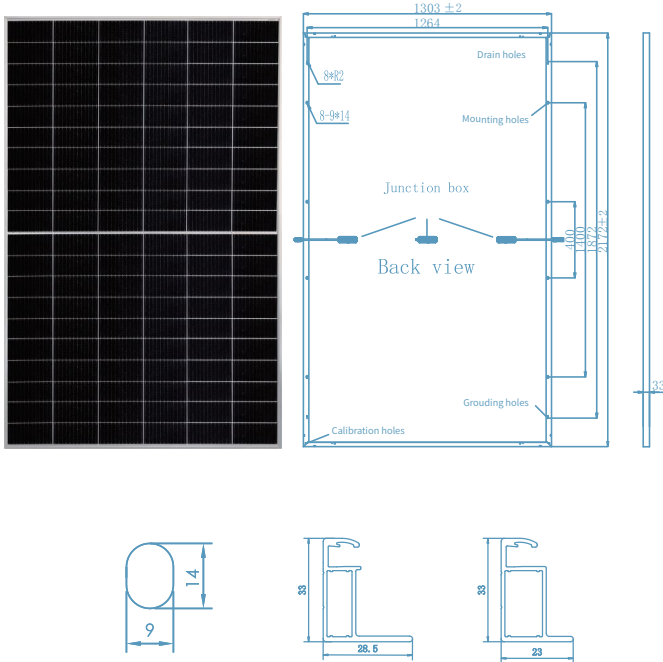
 12 Year Product Warranty  30 Year Linear Power Warranty



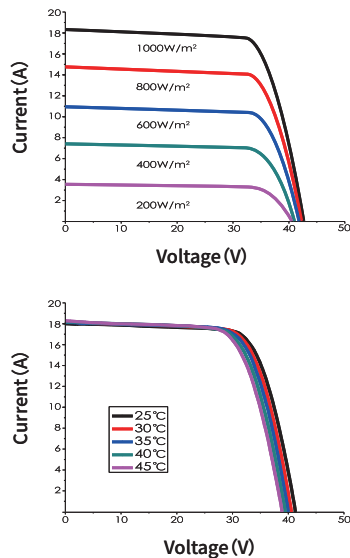
As a BloombergNEF Tier 1 and global leading manufacturer since 1998, EGING PV is committed to supplying reliable and durable PV products to customers to create together a greener planet.

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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

Power level	585	590	595	600	605
Pmax (W)	585	590	595	600	605
Vmp (V)	34.02	34.21	34.40	34.59	34.80
Imp (A)	17.20	17.25	17.30	17.35	17.39
Voc (V)	41.12	41.31	41.50	41.69	41.90
Isc (A)	18.25	18.30	18.35	18.40	18.44
Module efficiency (%)	20.67	20.84	21.02	21.20	21.37
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/m², module temperature 25°C, AM=1.5

Bifacial Output-Backside Power Gain

	Pmax(W)	643	649	654	660	665
10%	Module efficiency (%)	22.72	22.93	23.11	23.32	23.50
	Pmax(W)	702	708	714	720	726
20%	Module efficiency (%)	24.80	25.02	25.23	25.44	25.65

Working Characteristics

Power level	585	590	595	600	605
Pmax (W)	443	447	451	454	458
Vmp (V)	31.49	31.66	31.86	31.98	32.19
Imp (A)	14.07	14.12	14.16	14.20	14.23
Voc (V)	38.24	38.42	38.60	38.77	38.97
Isc (A)	14.93	14.97	15.02	15.06	15.09
Power tolerance (%)	0~+3				
NOCT (°C)	44 ± 2				

NOCT: Conditions: Irradiance 800W/m², 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)	2.0
Type of frame	Anodized aluminum alloy
Junction box	IP68
Size of module (mm)	2172*1303*33
Weight (kg)	34.7
Cables/connectors	4mm ² , 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

