

AURORA SERIES

MONO PERC
120-cell MODULE

EG-605M60-HUV

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

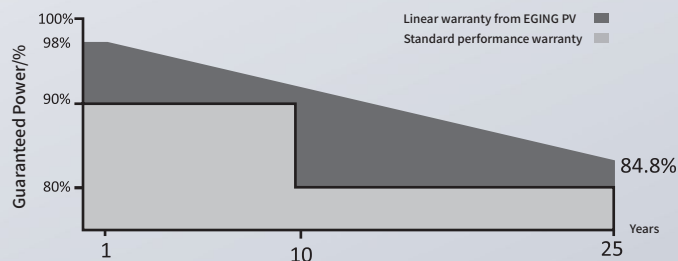
LINEAR PERFORMANCE WARRANTY



12 Year Product Warranty



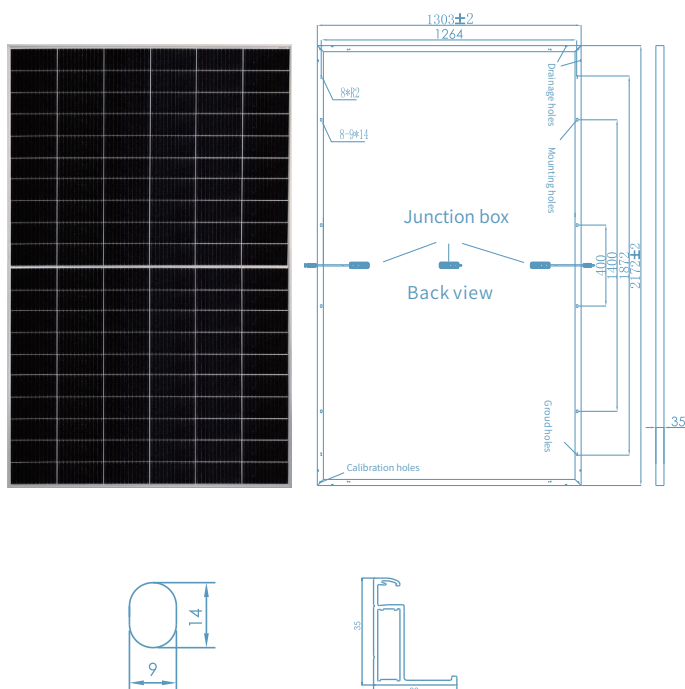
25 Year Linear Power Warranty



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-605M60-HUV

Engineering Drawings



Electrical Characteristics

Power level	585	590	595	600	605
P _{max} (W)	585	590	595	600	605
V _{mp} (V)	33.82	34.01	34.20	34.39	34.60
I _{mp} (A)	17.30	17.35	17.40	17.45	17.49
V _{oc} (V)	40.92	41.11	41.30	41.49	41.70
I _{sc} (A)	18.35	18.40	18.45	18.50	18.54
Module efficiency (%)	20.67	20.84	21.02	21.20	21.37
Maximum system voltage (V)	1500				
Fuse Rating (A)	30				
Temperature coefficient P _{max} (%/°C)	-0.34				
Temperature coefficient I _{sc} (%/°C)	0.04				
Temperature coefficient V _{oc} (%/°C)	-0.25				

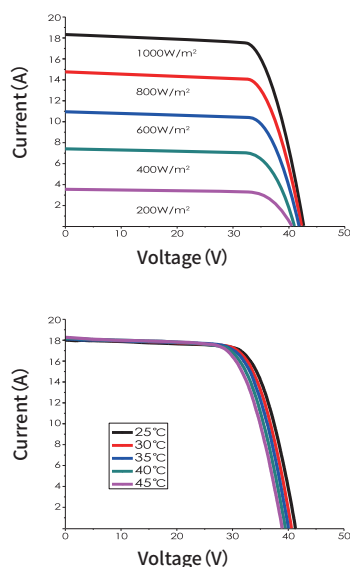
STC: Irradiance 1000W/m², module temperature 25°C, AM=1.5

Working Characteristics

Power level	585	590	595	600	605
P _{max} (W)	443	447	451	454	458
V _{mp} (V)	31.54	31.73	31.92	32.02	32.21
I _{mp} (A)	14.05	14.09	14.13	14.18	14.22
V _{oc} (V)	38.53	38.73	38.92	39.12	39.31
I _{sc} (A)	14.81	14.85	14.88	14.92	14.96
Power tolerance (%)	0~+3				
NOCT (°C)	44±2				

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

I-V Curves



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*35
Weight (kg)	29.9
Cables/connectors	4mm ² , MC4 compatible
Length of Cabel	Portrait: +300mm/-300mm

Packing Configuration

Pieces per pallet	31
Size of packing (mm)	1350*1130*2300
Weight of packing (kg)	987
Pieces per container	558
Size of container	40'HC

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



Tel: 86-519-82585880

Zip: 213213

Add: No.18, Jinwu Road, Jintan Dist, Changzhou City, Jiangsu Province.

Email: marketing@egingpv.com

Web: www.egingpv.com