

AURORA SERIES MONOCRYSTALLINE 120-cell MODULE

EG-605M60-HUV

585~605W

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



More Power
Innovative 210mm big cell applied to ensure module power up to 605W



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



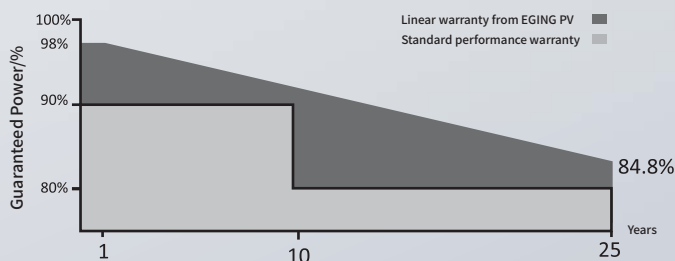
Highly Strengthened Design
Certified to withstand:5400Pa snow load and 2400Pa wind load



PID Resistant
Excellent PID resistance performance optimized by unique structural design

LINEAR PERFORMANCE WARRANTY

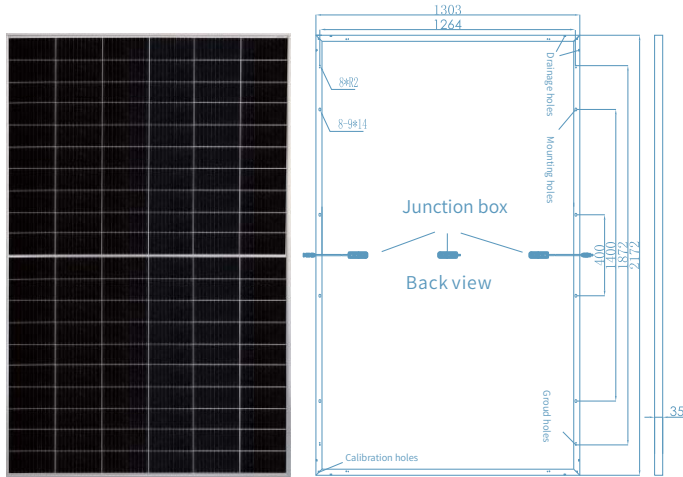
12 12 Year Product Warranty **25** 25 Year Linear Power Warranty



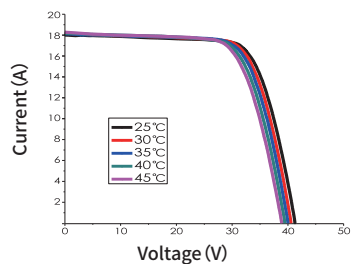
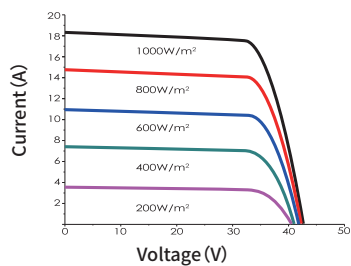
As a BloombergNEF Tier 1 and global leading manufacturer since 1998, EGING PV is committed to supplying reliable and durable PV products to customers to create together a greener planet.

EG-605M60-HUV

Engineering Drawings



I-V Curves



Packing Configuration

Pieces per pallet	31
Size of packing (mm)	1350*1130*2300
Weight of packing (kg)	987
Pieces per container	527
Size of container	40'HC

Electrical Characteristics

Power level	585	590	595	600	605
Pmax (W)	585	590	595	600	605
Vmp (V)	33.82	34.01	34.20	34.39	34.60
Imp (A)	17.30	17.35	17.40	17.45	17.49
Voc (V)	40.92	41.11	41.30	41.49	41.70
Isc (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	-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

Working Characteristics

Power level	585	590	595	600	605
Pmax (W)	443	447	451	454	458
Vmp (V)	31.54	31.73	31.92	32.02	32.21
Imp (A)	14.05	14.09	14.13	14.18	14.22
Voc (V)	38.53	38.73	38.92	39.12	39.31
Isc (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

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

Maximum Ratings

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



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

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