KEENSTAR EGING PV

AURORA SERIES

MONOCRYSTALLINE
120-cell MODULE BIFACIAL

EG-605M60-HU/BF-DG

585~605W

0~3%POSITIVE TOLERANCE

KEY FEATURES

Mbb half cell design
Half-cut cells brings lower resisitance and increased Multi Busbar reflectance ensures higher power output

High Efficiency
Leading PERC technology achieves higher module efficiency up to frontside 21.37% and 25.65% with backside 20% power boost

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

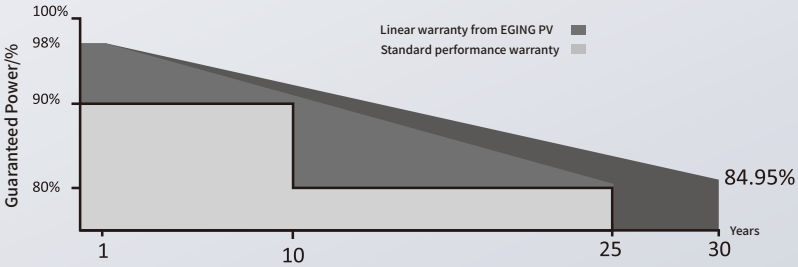
Highly Strengthened Design
Certified to withstand:5400Pa snow load and 2400Pa wind load

PID Resistant
Excellent PID resistance performance optimized by unique structural design

LINEAR PERFORMANCE WARRANTY

12 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 creat together a greener planet.

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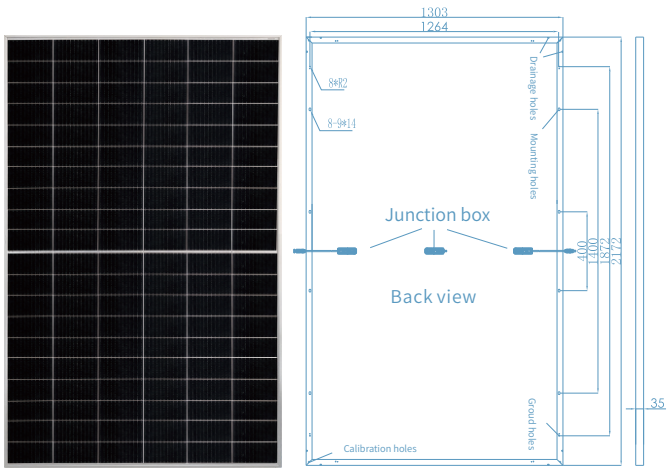
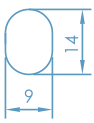
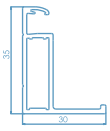
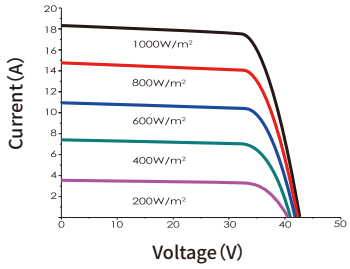
Engineering Drawings

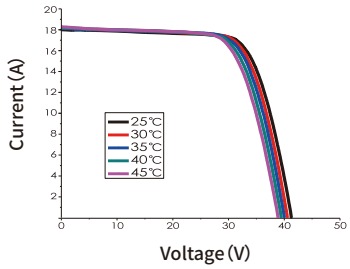






I-V Curves





Packing Configuration

Pieces per pallet	31
Size of packing (mm)	1350*1130*2300
Weight of packing (kg)	1145
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)	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

10%	Pmax(W)	643	649	654	660	665
	Module efficiency (%)	22.72	22.93	23.11	23.32	23.50
20%	Pmax(W)	702	708	714	720	726
	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*35
Weight (kg)	35
Cables/connectors	4mm², 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

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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