KEENSTAR EGING PV

AURORA Pro+ SERIES

N-TOPCon
132-cell MODULE BIFACIAL

EG-NT66-HRc/BF-DG

620~650W

0~3%POSITIVE TOLERANCE

KEY FEATURES

SMBB cell design
Super multi Busbar cells bring lower resistance and increased Busbar reflectance ensures higher power output

Low degradation
Adopt N-Type TOPCon cell technology, lower degradation and better temperature co-effeciency, greatly increased on generation performance

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

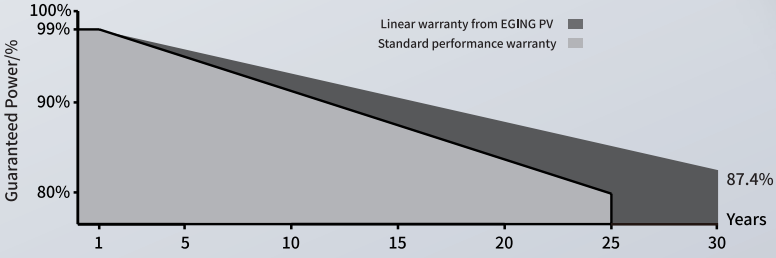
Lower LCOE
Super lower LCOE



LINEAR PERFORMANCE WARRANTY

15 Year Product Warranty

30 Year Linear Power Warranty

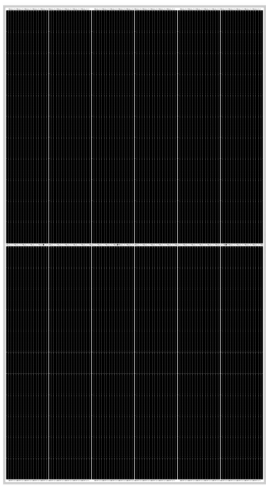


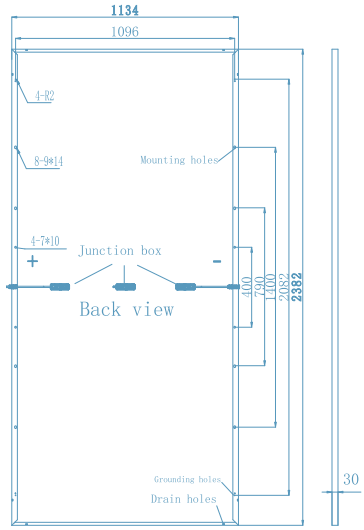
As a BloombergNEF Tier 1 and global leading manufacturer since 1998,EGING PV is committed to supplying reliable and durable PV products to customers to creat together a greener planet.

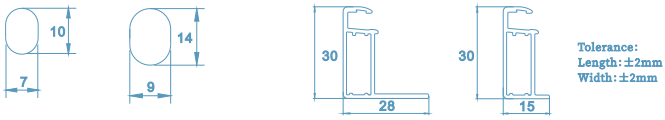
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Engineering Drawings

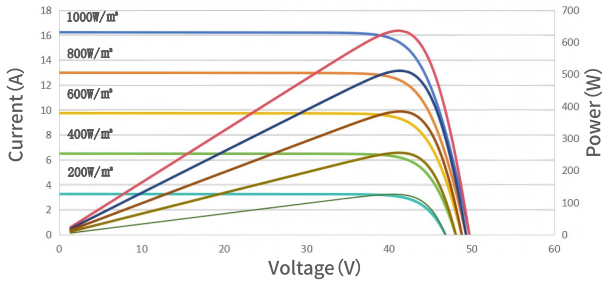


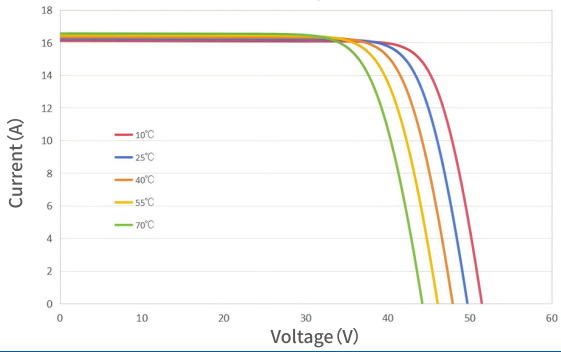




Tolerance:
Length: ±2mm
Width: ±2mm

I-V Curves(635W)





Packing Configuration

Pieces per Pallet	36
Size of Packing (mm)	2390*1135*1255
Weight of Packing (kg)	1249
Pieces per Container	720
Size of Container	40'HC

Electrical Characteristics(STC)

Test uncertainty for Pmax:±3%

Power Level	620	625	630	635	640	645	650
Pmax (W)	620	625	630	635	640	645	650
Vmp (V)	40.90	41.07	41.26	41.43	41.59	41.75	41.92
Imp (A)	15.16	15.22	15.27	15.33	15.39	15.45	15.51
Voc (V)	49.13	49.32	49.53	49.71	49.87	50.03	50.20
Isc (A)	16.05	16.11	16.16	16.22	16.28	16.34	16.40
Module Efficiency (%)	23.0	23.1	23.3	23.5	23.7	23.9	24.1

Maximum System Voltage (V)	1500
Fuse Rating (A)	35
Temperature Coefficient Pmax (%/°C)	-0.29
Temperature Coefficient Isc (%/°C)	0.046
Temperature Coefficient Voc (%/°C)	-0.24

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

Bifacial Output-Backside Power Gain

10%	Pmax(W)	682	688	693	699	704	710	715
	Module Efficiency (%)	25.2	25.5	25.7	25.9	26.1	26.3	26.5
20%	Pmax(W)	744	750	756	762	768	774	780
	Module Efficiency (%)	27.5	27.8	28.0	28.2	28.4	28.7	28.9

Working Characteristics(NOCT)

Power Level	620	625	630	635	640	645	650
Pmax (W)	470	474	478	481	485	489	493
Vmp (V)	38.25	38.42	38.59	38.74	38.90	39.10	39.25
Imp (A)	12.29	12.33	12.38	12.43	12.47	12.51	12.55
Voc (V)	46.45	46.60	46.79	46.98	47.13	47.28	47.44
Isc (A)	12.94	12.99	13.03	13.07	13.14	13.20	13.25

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)	687	693	698	704	709	715	720
Voc (V)	49.15	49.33	49.55	49.72	49.87	50.03	50.21
Isc (A)	17.79	17.85	17.91	17.97	18.04	18.10	18.17
Tolerance (%)	Pmax:±3% Binning:±5W Voc:±5% Isc:±5%						

BNPI:Front Irradiance1000W/m², Rear Irradiance 135W/m², module temperature25°C, AM=1.5
Bifaciality:Pmax80%±10%,φVoc98%±2%,φIsc80%±10%

Mechanical Characteristics

Number of Cells	132pcs
Size of Cell (mm)	182.2*105
Type of Cell	N-type Mono
Front Glass/Back Glass (mm)	2.0/2.0
Type of Frame	Anodized aluminum alloy
Junction Box	IP68
Size of Module (mm)	2382*1134*30
Weight (kg)	33.3
Cables/Connectors	4mm², MC4 compatible
Length of Cable	+300mm/-300mm(connector included)

Remark:customized frame color and cable length available upon request

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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CAUTION:All rights and explain reserved by EGING PV.
Specifications included in this datasheet are subject to change without notice.
The specific content of the product warranty refers to EGing's latest warranty.

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