

AURORA Pro⁺ SERIES

N-TOPCon
132-cell MODULE BIFACIAL

EG-620NT66-HRc/BF-DG **620W** EG-625NT66-HRc/BF-DG **625W** EG-630NT66-HRc/BF-DG **630W**

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-efficiency, 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

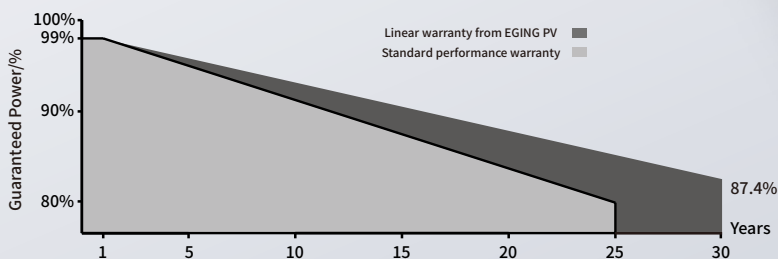
LINEAR PERFORMANCE WARRANTY



15 year Product Warranty
25 Year Product Warranty
(For rooftop installation only)

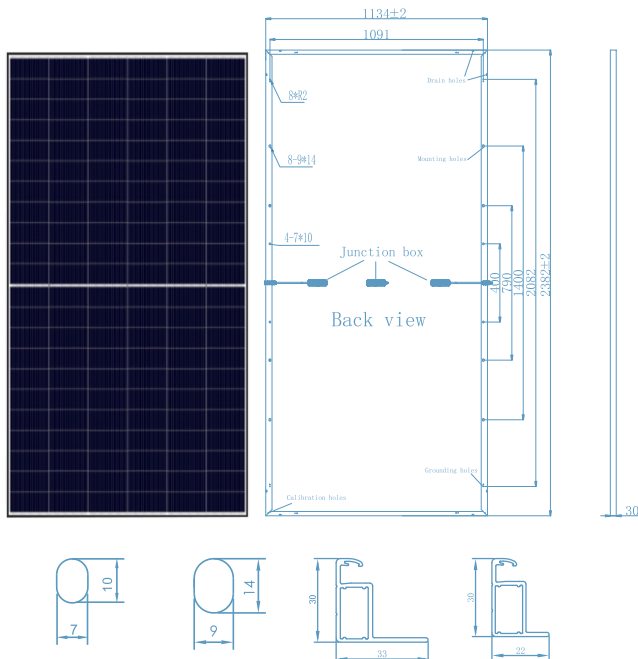


30 Year Linear Power Warranty

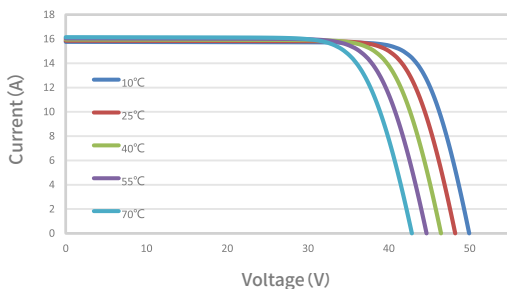
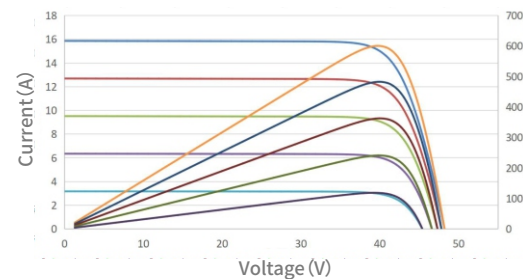


As a BloombergNEF Tier 1 and global leading manufacturer since 1998, EGING PV is committed to supplying reliable and durable PV products to customers to create together a greener planet.

Engineering Drawings



I-V Curves



Packing Configuration

Pieces per pallet	36
Size of packing (mm)	2395*1135*1255
Weight of packing (kg)	1249
Pieces per container	720
Size of container	40'HC

Electrical Characteristics(STC)

Power level	620	625	630
Pmax (W)	620	625	630
Vmp (V)	40.90	41.07	41.26
Imp (A)	15.16	15.22	15.27
Voc (V)	49.13	49.32	49.53
Isc (A)	16.05	16.11	16.16
Module efficiency (%)	23.0	23.1	23.3
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		
Tolerance	Pmax: ±3% Binning: 0~5W Voc: ±5% Isc: ±5%		

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

Bifacial Output-Backside Power Gain

10%	Pmax (W)	682	688	693
	Module efficiency (%)	25.2	25.5	25.7
20%	Pmax (W)	744	750	756
	Module efficiency (%)	27.5	27.8	28.0

Working Characteristics (NOCT)

Power level	620	625	630
Pmax (W)	470	474	478
Vmp (V)	38.25	38.42	38.59
Imp (A)	12.29	12.33	12.38
Voc (V)	46.45	46.60	46.79
Isc (A)	12.94	12.99	13.03
Tolerance	Pmax: ±3% Binning: 0~5W Voc: ±5% Isc: ±5%		
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
Voc (V)	49.15	49.33	49.55
Isc (A)	17.79	17.85	17.91
Tolerance	Pmax: ±3% Binning: 0~5W Voc: ±5% Isc: ±5%		
BNPI:	Front Irradiance 1000W/m², Rear Irradiance 135W/m², module temperature 25°C, AM=1.5		
Bifaciality:	Pmax 80% ± 10%, Isc 80% ± 10%, φVoc 98% ± 2%		

Mechanical Characteristics

Number of cells	132pcs	
Size of cell (mm)	182.2*105	
Type of cell	N-type Mono	
Thickness of glass (mm)	2.0	
Type of frame	Anodized aluminum alloy	
Junction box	IP68	
Size of module (mm)	2382*1134*30	
Weight (kg)	33.3	
Connectors	E1-X-abcd	Changzhou Eging Photovoltaic Tech. Co., Ltd. Zerun Co. Ltd. Jiangsu Holysun Electronics Technology Co., Ltd. Jiangsu Haitian Microelectronics Corp. Staubli Electrical Connectors AG
-manufacture	Z4S-abcd	
	C2xyz	
	PV-HT03x	
	PV-KST4-EVO2/xy_UR	
	PV-KBT4-EVO2/xy_UR	
Length of Cable	+300mm/-300mm	
Fire rating	Class c	
Country of manufacture	China	

Maximum Ratings

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

Revised in November 2024 1st Edition

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.



Add: Changzhou Eging
Photovoltaic Technology Co., Ltd.
No.18, Jinwu Road
Yaotang Town
213212 JINTAN CITY
Jiangsu
CHINA
Tel: 86-519-82585880
Email: marketing@egingpv.com
Web: www.egingpv.com