

AURORA Pro⁺ SERIES

N-TOPCon
132-cell MODULE BIFACIAL

EG-630NT66-HRc/BF-DG

610~630W

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-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



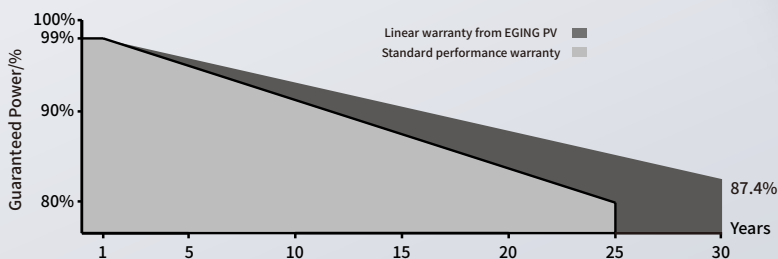
PID Resistant
Excellent PID resistance performance optimized by unique structural design



Lower LCOE
Super lower LCOE

LINEAR PERFORMANCE WARRANTY

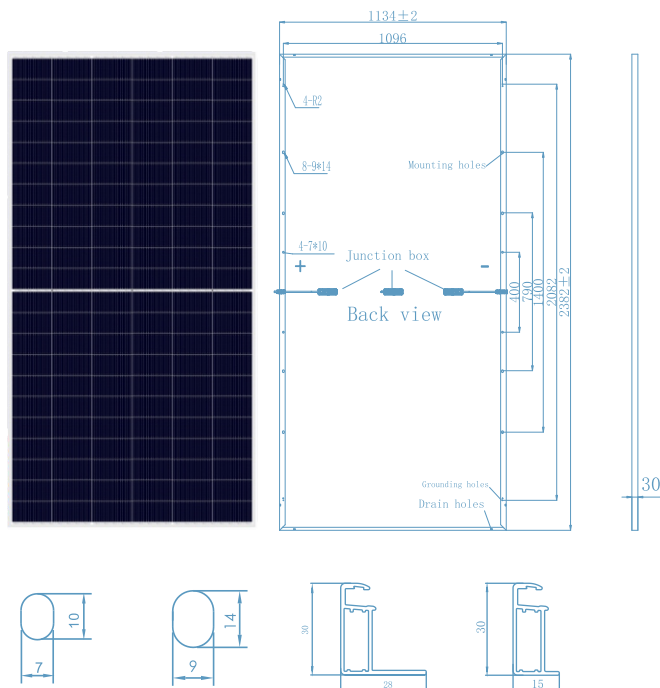
15 15 Year Product Warranty **30** 30 Year Linear Power Warranty



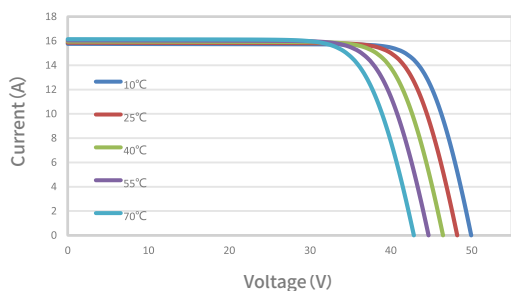
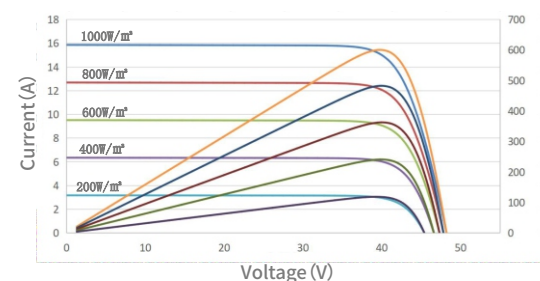
As a BloombergNEF Tier 1 and global leading manufacturer since 1998, EGING PV is committed to supplying reliable and durable PV products to customers to create together a greener planet.

EG-630NT66-HRc/BF-DG

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	610	615	620	625	630
Pmax (W)	610	615	620	625	630
Vmp (V)	40.56	40.73	40.90	41.07	41.26
Imp (A)	15.04	15.10	15.16	15.22	15.27
Voc (V)	48.74	48.96	49.13	49.32	49.53
Isc (A)	15.93	15.99	16.05	16.11	16.16
Module efficiency (%)	22.6	22.8	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				

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

Bifacial Output-Backside Power Gain

10%	Pmax(W)	671	677	682	688	693
	Module efficiency (%)	24.8	25.1	25.2	25.5	25.7
20%	Pmax(W)	732	738	744	750	756
	Module efficiency (%)	27.1	27.3	27.5	27.8	28.0

Working Characteristics(NOCT)

Power level	610	615	620	625	630
Pmax (W)	463	467	470	474	478
Vmp (V)	37.90	38.10	38.25	38.42	38.59
Imp (A)	12.20	12.25	12.29	12.33	12.38
Voc (V)	46.10	46.30	46.45	46.60	46.79
Isc (A)	12.84	12.89	12.94	12.99	13.03
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)	675	681	687	693	698
Voc (V)	48.75	48.98	49.15	49.33	49.55
Isc (A)	17.65	17.71	17.79	17.85	17.91
Tolerance (%)	Pmax: ±3% Binning: ±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%, ΦVoc 98%±2%, ΦIsc 80%±10%

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
Cables/connectors	4mm², MC4 compatible
Length of Cable	Portrait: +300mm/-300mm

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 May 2025 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.



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