

AURORA Pro⁺ SERIES

N-TOPCon
108-cell MODULE BIFACIAL

EG-NT54-HRc/BF-DG

500~530W

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

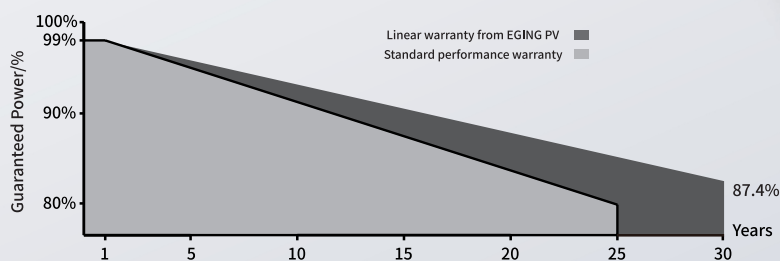


Lower LCOE

Super lower LCOE

LINEAR PERFORMANCE WARRANTY

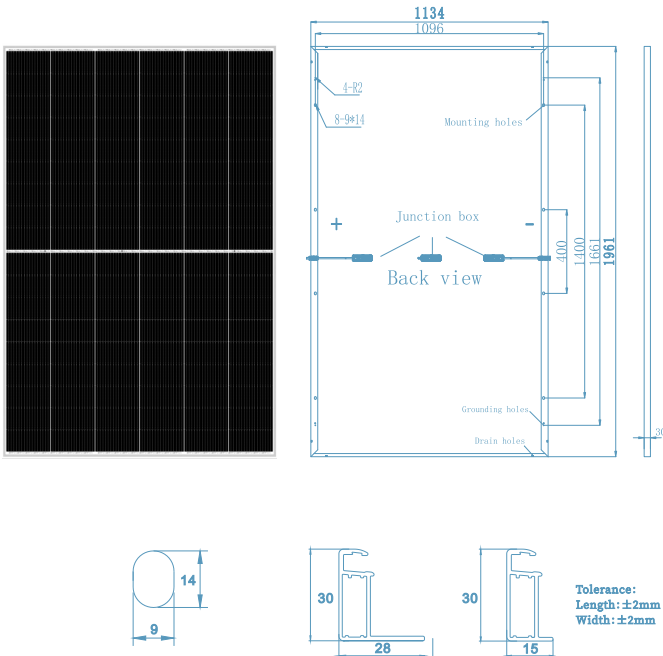
15 15 Year Product Warranty **30** 30 Year Linear Power Warranty



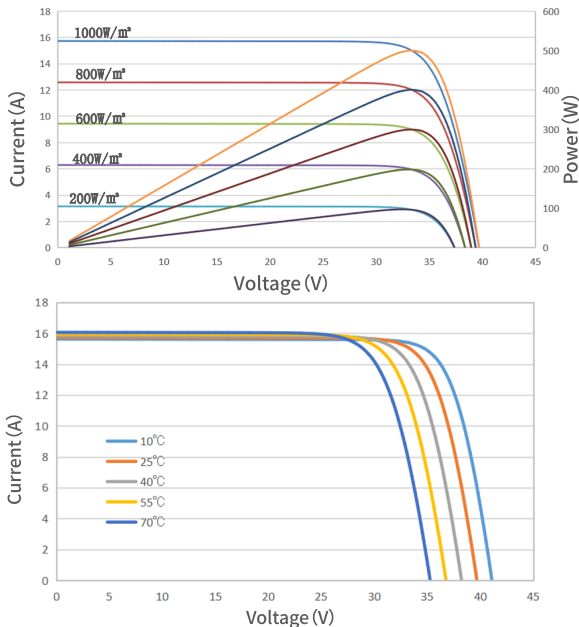
As a BloombergNEF Tier 1 and global leading manufacturer since 1998, EGING PV is committed to supplying reliable and durable PV products to customers to create together a greener planet.

EG-NT54-HRc/BF-DG

Engineering Drawings



I-V Curves(510W)



Packing Configuration

Pieces per Pallet	36
Size of Packing (mm)	1986*1135*1255
Weight of Packing (kg)	1049
Pieces per Container	792
Size of Container	40'HC

Electrical Characteristics(STC)

Test uncertainty for Pmax: ±3%

Power Level	500	505	510	515	520	525	530
Pmax (W)	500	505	510	515	520	525	530
Vmp (V)	33.47	33.65	33.83	34.00	34.17	34.34	34.51
Imp (A)	14.94	15.01	15.08	15.15	15.22	15.29	15.36
Voc (V)	39.67	39.84	40.01	40.18	40.35	40.52	40.69
Isc (A)	15.73	15.79	15.85	15.92	15.99	16.06	16.13
Module Efficiency (%)	22.5	22.7	22.9	23.2	23.4	23.6	23.8
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)	550	556	561	567	572	578	583
	Module Efficiency (%)	24.7	25.0	25.2	25.5	25.7	26.0	26.2
20%	Pmax(W)	600	606	612	618	624	630	636
	Module Efficiency (%)	27.0	27.3	27.5	27.8	28.1	28.3	28.6

Working Characteristics(NOCT)

Power Level	500	505	510	515	520	525	530
Pmax (W)	378	381	385	389	393	396	400
Vmp (V)	31.35	31.53	31.70	31.86	32.06	32.15	32.32
Imp (A)	12.04	12.10	12.15	12.21	12.26	12.32	12.38
Voc (V)	37.49	37.66	37.82	37.98	38.17	38.27	38.43
Isc (A)	12.68	12.73	12.78	12.84	12.89	12.95	13.01
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)	554	560	565	571	576	582	587
Voc (V)	39.69	39.85	40.02	40.17	40.34	40.52	40.70
Isc (A)	17.43	17.50	17.56	17.64	17.72	17.79	17.87
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	108pcs
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)	1961*1134*30
Weight (kg)	27.9
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

Revised in March 2026 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.

 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