

AURORA Ultra SERIES

96-cell MODULE BIFACIAL

EG-TB48-HRc/BF-DG

470~500W

0~3% POSITIVE TOLERANCE

KEY FEATURES



BC Technology
Lower temperature coefficient, Better resistance to shadow



High Efficiency
Higher power output, Lower BOS cost



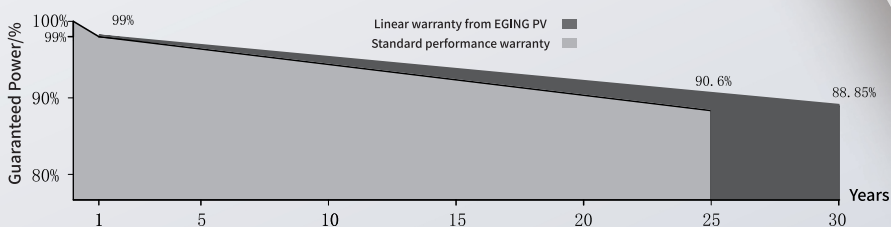
Micro crack Resistance
Ribbon is interconnected like "—", Lower stress, Better mechanical properties



Aesthetics
The front grid-free design, Without ribbon shading, More aesthetic values

LINEAR PERFORMANCE WARRANTY

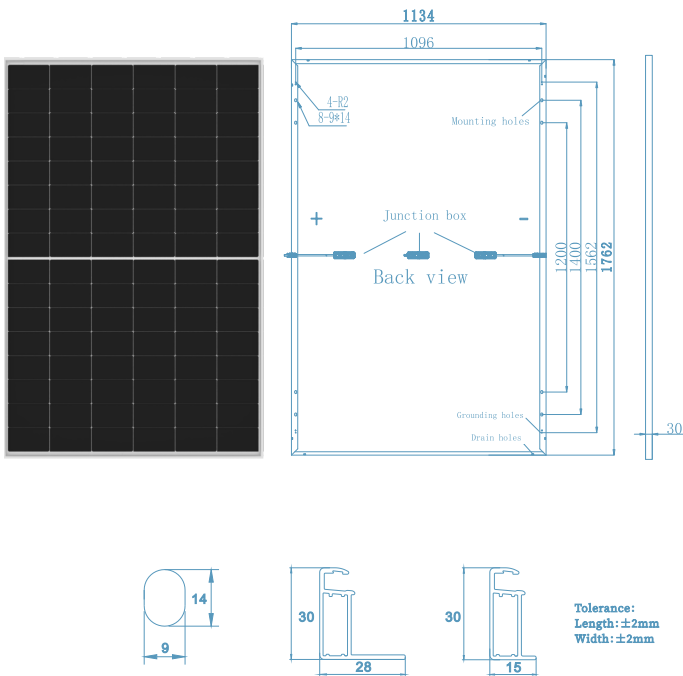
15 15 Year Product Warranty **30** 30 Year Linear Power Warranty



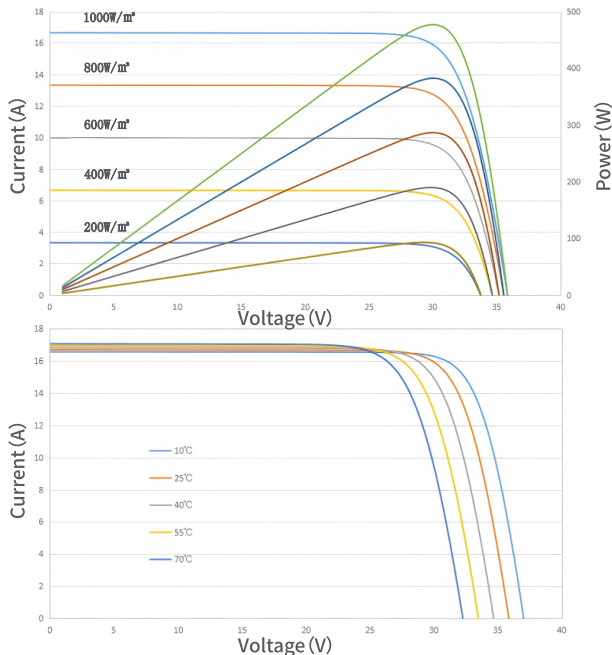
As a BloombergNEF Tier 1 and global leading manufacturer since 1998, EGING PV is committed to supplying reliable and durable PV products to customers to create together a greener planet.

EG-TB48-HRc/BF-DG

Engineering Drawings



I-V Curves(475W)



Packing Configuration

Pieces per Pallet	36
Size of Packing (mm)	1790*1135*1255
Weight of Packing (kg)	796
Pieces per Container	936
Size of Container	40'HC

Electrical Characteristics(STC)

 Test uncertainty for Pmax: $\pm 3\%$

Power Level	470	475	480	485	490	495	500
Pmax (W)	470	475	480	485	490	495	500
Vmp (V)	30.43	30.56	30.68	30.81	30.93	31.06	31.18
Imp (A)	15.45	15.55	15.65	15.75	15.85	15.95	16.05
Voc (V)	35.73	35.86	35.98	36.11	36.23	36.36	36.48
Isc (A)	16.56	16.66	16.76	16.86	16.96	17.06	17.16
Module Efficiency (%)	23.5	23.8	24.0	24.3	24.5	24.8	25.0
Maximum System Voltage (V)	1500						
Fuse Rating (A)	35						
Temperature Coefficient Pmax (%/°C)	-0.26						
Temperature Coefficient Isc (%/°C)	0.05						
Temperature Coefficient Voc (%/°C)	-0.22						

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

Bifacial Output-Backside Power Gain

10%	Pmax(W)	517	523	528	534	539	545	550
	Module Efficiency (%)	25.9	26.2	26.4	26.7	27.0	27.3	27.5
20%	Pmax(W)	564	570	576	582	588	594	600
	Module Efficiency (%)	28.2	28.5	28.8	29.1	29.4	29.7	30.0

Working Characteristics(NOCT)

Power Level	470	475	480	485	490	495	500
Pmax (W)	359	363	367	371	374	378	382
Vmp (V)	28.32	28.44	28.56	28.68	28.80	28.92	29.04
Imp (A)	12.68	12.76	12.84	12.92	13.00	13.08	13.16
Voc (V)	33.91	34.03	34.15	34.27	34.39	34.51	34.63
Isc (A)	13.37	13.45	13.53	13.61	13.69	13.77	13.85
Power Tolerance (%)	0~+3						
NOCT (°C)	44 $\pm$ 2						

NOCT: Conditions: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s

Working Characteristics (BNPI)

Pmax (W)	514	520	525	531	536	542	547
Voc (V)	35.74	35.87	35.99	36.12	36.24	36.36	36.48
Isc (A)	18.12	18.23	18.34	18.45	18.56	18.67	18.78
Tolerance (%)	Pmax: $\pm 3\%$ Binning: $\pm 5\text{W}$ Voc: $\pm 5\%$ Isc: $\pm 5\%$						

 BNPI: Front Irradiance 1000W/m², Rear Irradiance 135W/m², module temperature 25°C, AM=1.5
 Bifaciality: Pmax 70% $\pm$ 10%, ϕ Voc 98% $\pm$ 2%, ϕ Isc 70% $\pm$ 10%

Mechanical Characteristics

Number of Cells	96pcs
Size of Cell (mm)	182.2*105
Type of Cell	N-type Mono
Front Glass/Back Glass (mm)	1.6/1.6
Type of Frame	Anodized aluminum alloy
Junction Box	IP68
Size of Module (mm)	1762*1134*30
Weight (kg)	21
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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 The specific content of the product warranty refers to Eging's latest warranty.