

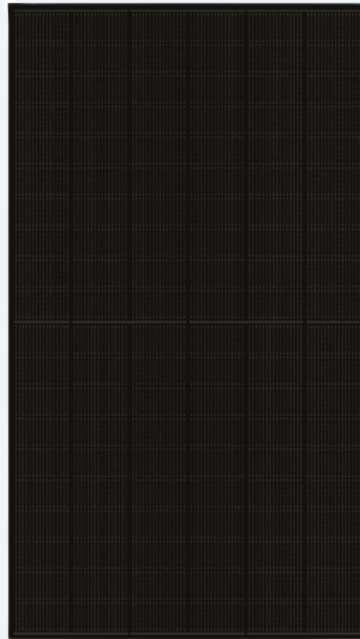
TECHNICAL DATASHEET

BE470-495T8-120(HC)BF

TOPCON BIFACIAL SOLAR PANEL

// RESIDENTIAL USE // COMMERCIAL USE // UTILITY SCALE

470–495W bifacial TopCon photovoltaic module with 120 half-cut cells. State-of-the-art technology designed for maximum efficiency and durability, generating energy from both sides of the panel to maximize annual output. Low degradation rate and exceptional performance under adverse weather conditions.



- ✓ SMBB technology.
- ✓ PID resistance.
- ✓ Hot 2.0 technology.
- ✓ Enhanced mechanical load.
- ✓ Durability against extreme environmental conditions.

FEATURES



HIGH EFFICIENCY CELLS



LOW TEMPERATURE COEFFICIENT



WEATHER RESISTANT



SUSTAINABLE ENERGY



+34 985 194 232

www.bexieenergy.comCalle Peña Santa 68, Polígono
Industrial Silvota, 33192, Llanera, Asturias

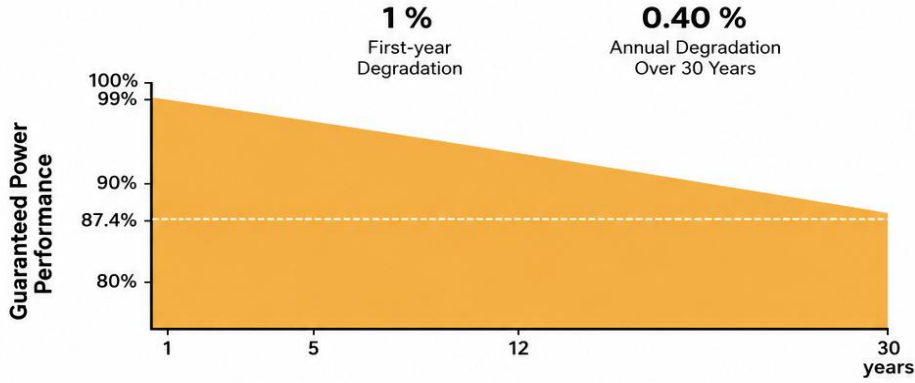
MODEL	BE470T8-120 (HC)BF	BE475T8-120 (HC)BF	BE480T8-120 (HC)BF
FEATURES			
Power Output	STC 470 NOCT 353	STC 475 NOCT 357	STC 480 NOCT 361
Max. Voltage, Vmpp (V)	STC 35.05 NOCT 32.94	STC 35.21 NOCT 33.10	STC 35.38 NOCT 33.27
Current, Imp (A)	STC 13.41 NOCT 10.73	STC 13,49 NOCT 10.79	STC 13.57 NOCT 10.85
Voltage Open Circuit, Voc (V)	STC 42.38 NOCT 40.25	STC 42.54 NOCT 40.41	STC 42.71 NOCT 40.57
Short Circuit Current, Isc (A)	STC 14.15 NOCT 11.42	STC 14.23 NOCT 11.49	STC 14.31 NOCT 11.55
Module Efficiency (%)	21.71	21.94	22.17
Max. Power Tolerance (W)		0 - 5	
Max. System Voltage		1,500Vdc (IEC)	
Maximum Series Fuse Rating		25A	
TEMPERATURE COEFFICIENT			
Temp. Coefficient (Pmax)		-0.29%/°C	
Temp. Coefficient (Isc)		0.045%/°C	
Temp. Coefficient (Voc)		-0.25%/°C	
Nominal Operating Cell Temp. (NOCT)		45°C (±2°C)	
Operating Temperature		-40 ~ +85°C	
Refer. Bifacial Factor		80±5°C	
MECHANICAL SPECIFICATIONS			
Dimensions		1,909 x 1,134 x 30mm	
N° of cells		120 [2x(10x6)]	
Cells		N type Mono-crystalline	
Front glass		2.0mm, Anti-Reflection Coating	
Back glass		2.0mm, Heat Strengthened Glass	
Weight		27kg	
Junction Box		IP68 (3 diodes)	
Frame		Anodized aluminum alloy	
Cable		4mm ²	
Packaging Configuration		36 pcs/Pallet, 864pcs/40HQ Container	

MODEL	BE485T8-120 (HC)BF	BE490T8-120 (HC)BF	BE495T8-120 (HC)BF
FEATURES			
Power Output	STC 485 NOCT 365	STC 490 NOCT 369	STC 495 NOCT 373
Max. Voltage, Vmpp (V)	STC 35.54 NOCT 33.44	STC 35.70 NOCT 33.61	STC 35.86 NOCT 33.78
Current, Imp (A)	STC 13.65 NOCT 10.91	STC 13.73 NOCT 10.97	STC 13.80 NOCT 11.04
Voltage Open Circuit, Voc (V)	STC 42.88 NOCT 40.73	STC 43.05 NOCT 40.89	STC 43.22 NOCT 41.05
Short Circuit Current, Isc (A)	STC 14.39 NOCT 11.61	STC 14.47 NOCT 11.67	STC 14.55 NOCT 11.73
Module Efficiency (%)	22.4	22.63	22.86
Max. Power Tolerance (W)		0 - 5	
Max. System Voltage		1,500Vdc (IEC)	
Maximum Series Fuse Rating		25A	
TEMPERATURE COEFFICIENT			
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NOTES

STC: Irradiance 1000 W/m², Cell Temperature 25°C, AM1.5 NOCT: Irradiance 800 W/m², Temperature 20°C, Wind Speed 1 m/s

LINEAR PERFORMANCE WARRANTY



Cells Temperature: 25°C. Current-Voltage & Power Voltage Curve (470)

