

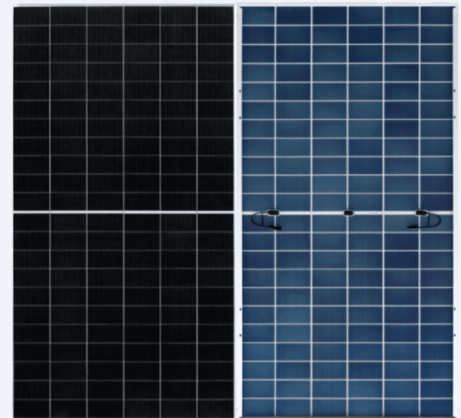
TECHNICAL DATASHEET

BE690-730T9-132(HC)BF

BIFACIAL TOPCON SOLAR PANEL

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

High-power bifacial TopCon solar panel with 132 half-cut N-Type cells and next-generation technology. With power output ranging from 690 to 730W. Designed for ground-mounted solar plants, large industrial rooftops, and projects aiming to maximize energy yield per installed panel.



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

FEATURES



HIGH OUTPUT



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	BE690T9-132	BE695T9-132	BE700T9-132	BE705T9-132	BE710T9-132
GENERAL					
Power Output	STC 690 NOCT 521	STC 695 NOCT 525	STC 700 NOCT 529	STC 705 NOCT 533	STC 710 NOCT 537
Voltage Open Circuit, Voc (V)	STC 46.88 NOCT 44.75	STC 47.07 NOCT 44.94	STC 47.26 NOCT 45.13	STC 47.45 NOCT 45.32	STC 47.64 NOCT 45.51
Short Circuit Current, Isc (A)	STC 18.79 NOCT 15.13	STC 18.84 NOCT 15.17	STC 18.89 NOCT 15.21	STC 18.94 NOCT 15.25	STC 18.99 NOCT 15.29
Max. Voltage, Vmpp (V)	STC 38.94 NOCT 36.56	STC 39.13 NOCT 36.74	STC 39.33 NOCT 36.94	STC 39.52 NOCT 37.14	STC 39.71 NOCT 37.33
Current, Impp (A)	STC 17.72 NOCT 14.25	STC 17.76 NOCT 14.29	STC 17.80 NOCT 14.32	STC 17.84 NOCT 14.35	STC 17.88 NOCT 14.38
Module Efficiency (%)	22.21	22.37	22.53	22.70	22.86
Max. Power Tolerance (W)	0 - 5				
Max. System Voltage (V)	1,500Vdc (IEC)				
Maximum Series Fuse Rating (A)	35A				
Bifaciality	80±5%				
TEMPERATURE COEFFICIENT					
Temp. Coefficient (Pmax)	-0.290%/°C				
Temp. Coefficient (Isc)	0.046%/°C				
Temp. Coefficient (Voc)	-0.26%/°C				
Nominal Operating Cell Temp. (NOCT)	45°C (±2°C)				
Operating Temperature	-40 ~ +85°C				
MECHANICAL SPECIFICATIONS					
Dimensions	2,384 x 1,303 x 35mm				
N° of cells	132 [2 x (11 x 6)]				
Cells Size	210mm x 105mm				
Front glass	2.0mm, Anti-Reflection Coating				
Rear Glass	2.0mm, Heat Strengthened Glass				
Weight	38kg				
Junction Box	IP68 (3 diodes)				
Frame	Anodized aluminum alloy				
Cable	4mm2				
Packaging Configuration	31pcs/Pallet, 558pcs/40HQ Container				

MODEL	BE715T9-132	BE720T9-132	BE725T9-132	BE730T9-132
GENERAL				
Power Output	STC 715 NOCT 541	STC 720 NOCT 545	STC 725 NOCT 549	STC 730 NOCT 553
Voltage Open Circuit, Voc (V)	STC 47.83 NOCT 45.70	STC 48.02 NOCT 45.89	STC 48.21 NOCT 46.08	STC 48.40 NOCT 46.27
Short Circuit Current, Isc (A)	STC 19.04 NOCT 15.33	STC 19.09 NOCT 15.37	STC 19.14 NOCT 15.41	STC 19.19 NOCT 15.45
Max. Voltage, Vmmp (V)	STC 39.90 NOCT 37.53	STC 40.09 NOCT 37.72	STC 40.28 NOCT 37.91	STC 40.47 NOCT 38.10
Current, Impp (A)	STC 17.92 NOCT 14.42	STC 17.96 NOCT 14.45	STC 18.00 NOCT 14.48	STC 18.04 NOCT 14.51
Module Efficiency (%)	23.02	23.18	23.34	23.50
Max. Power Tolerance (W)	0 - 5			
Max. System Voltage (V)	1,500Vdc (IEC)			
Maximum Series Fuse Rating (A)	35A			
Bifaciality	80±5%			
TEMPERATURE COEFFICIENT				
Temp. Coefficient (Pmax)	-0.290%/°C			
Temp. Coefficient (Isc)	0.046%/°C			
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MECHANICAL SPECIFICATIONS				
Dimensions	2,384 x 1,303 x 35mm			
N° of cells	132 [2 x (11 x 6)]			
Cells Size	210mm x 105mm			
Front glass	2.0mm, Anti-Reflection Coating			
Rear Glass	2.0mm, Heat Strengthened Glass			
Weight	38kg			
Junction Box	IP68 (3 diodes)			
Frame	Anodized aluminum alloy			
Cable	4mm2			
Packaging Configuration	31pcs/Pallet, 558pcs/40HQ Container			

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

1 %
First-year
Degradation

0.40 %
Annual Degradation
Over 30 Years

