

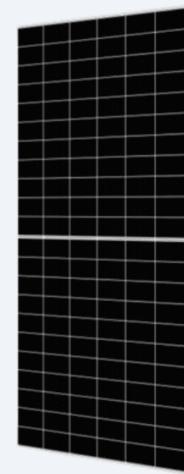
## TECHNICAL DATASHEET

**BE690-730T9-132(HC)**

HIGH-POWER TOPCON SOLAR PANEL

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

High-power monofacial TopCon solar panel with 132 half-cut N-Type cells. With power output ranging from 690 to 730W. Designed for ground-mounted solar plants, large industrial rooftops, and projects where the number of installed panels needs to be minimized.



- ✓ 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.com](http://www.bexieenergy.com)Calle Peña Santa 68, Polígono  
Industrial Silvota, 33192, Llanera, Asturias

MODEL	BE690T9-132(HC)	BE695T9-132(HC)	BE700T9-132(HC)	BE705T9-132(HC)	BE710T9-132(HC)
<b>GENERAL</b>					
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, Vmmp (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				
<b>TEMPERATURE COEFFICIENT</b>					
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				
<b>MECHANICAL SPECIFICATIONS</b>					
N° of cells	132 [2 x (11 x 6)]				
Dimensions	2,384 x 1,303 x 35mm				
Connector	MC4 Compatible				
Cells	210mm x 105mm				
Front glass	High transmission glass 3.2mm				
Packaging Configuration	31pcs/Pallet, 558pcs/40HQ Container				
Weight	33kg				
Maximum Static Load, Front	5,400Pa (112lb/ft2)				
Maximum Static Load, Back	2,400Pa (50lb/ft2)				
Junction Box	IP68 (3 diodes)				
Frame	Anodized aluminum alloy				
Cable: TUV 1x4.0mm <sup>2</sup> , (+)	200mm or Customized length				

MODEL	BE715T9-132(HC)	BE720T9-132(HC)	BE725T9-132(HC)	BE730T9-132(HC)
<b>GENERAL</b>				
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			
<b>TEMPERATURE COEFFICIENT</b>				
Temp. Coefficient (Pmax)	-0.290%/°C			
Temp. Coefficient (Isc)	0.046%/°C			
Temp. Coefficient (Voc)	-0.26%/°C			
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N° of cells	132 [2 x (11 x 6)]			
Dimensions	2,384 x 1,303 x 35mm			
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Cells	210mm x 105mm			
Front glass	High transmission glass 3.2mm			
Packaging Configuration	31pcs/Pallet, 558pcs/40HQ Container			
Weight	33kg			
Maximum Static Load, Front	5,400Pa (112lb/ft <sup>2</sup> )			
Maximum Static Load, Back	2,400Pa (50lb/ft <sup>2</sup> )			
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Frame	Anodized aluminum alloy			
Cable: TUV 1x4.0mm <sup>2</sup> , (+)	200mm or Customized length			

**NOTES**

STC: Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25°C, AM1.5 NOCT: Irradiance 800 W/m<sup>2</sup>, Temperature 20°C, Wind Speed 1 m/s.

## LINEAR PERFORMANCE WARRANTY

**1 %**  
First-year Degradation

**0.40 %**  
Annual Degradation Over 30 Years

