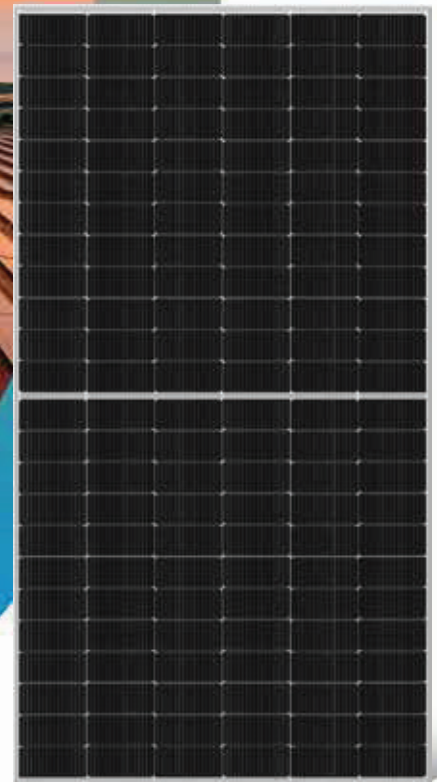




YOUR RELIABLE
PARTNER FOR
SOLAR ENERGY
SINCE 1992



EMMVEE CRAFTING SMART AND ADVANCED SOLAR ENERGY SOLUTIONS



TITANIUM DUO

G12 N-TYPE TOPCon BIFACIAL GLASS TO GLASS MODULE



Committed to Quality,
Punctuality, and
Customer Support
since 1992.



Over 15 Years of Sustainable Power
with Photovoltaic Modules, New High
WP Modules United with Quality and
Efficiency



With presence in Green
Energy Projects Across
the Globe



Our Mission: Delivering Clean, Reliable
Energy while Reducing Carbon Footprint
through wide range of Residential and
Commercial Solar Offerings.

132 HALF CUT CELL G12 N-TYPE TOPCON BIFACIAL GLASS TO GLASS MODULE

TECHNICAL SPECIFICATION

Electrical data at 1000W/m², 25°C and A.M1.5 (STC in accordance with IEC 60904-3)

Model Name	E700HCBG 132-T	E705HCBG 132-T	E710HCBG 132-T	E715HCBG 132-T	E720HCBG 132-T
Rated Power at STC	700	705	710	715	720
Power Tolerance	+5W	+5W	+5W	+5W	+5W
Module Efficiency at STC	22.53%	22.70%	22.86%	23.02%	23.18%
Open Circuit Voltage-VOC(Volts)(±10%)	48.04	48.18	48.32	48.46	48.60
Short Circuit Current-ISC (AMPS)(±10%)	18.48	18.50	18.52	18.54	18.56
Max Power Voltage-VPM(Volts)	39.91	40.04	40.13	40.25	40.36
Max Power Current-IPM (AMPS)	17.55	17.62	17.70	17.77	17.85

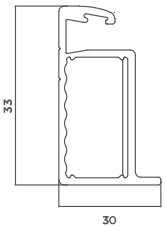
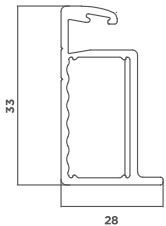
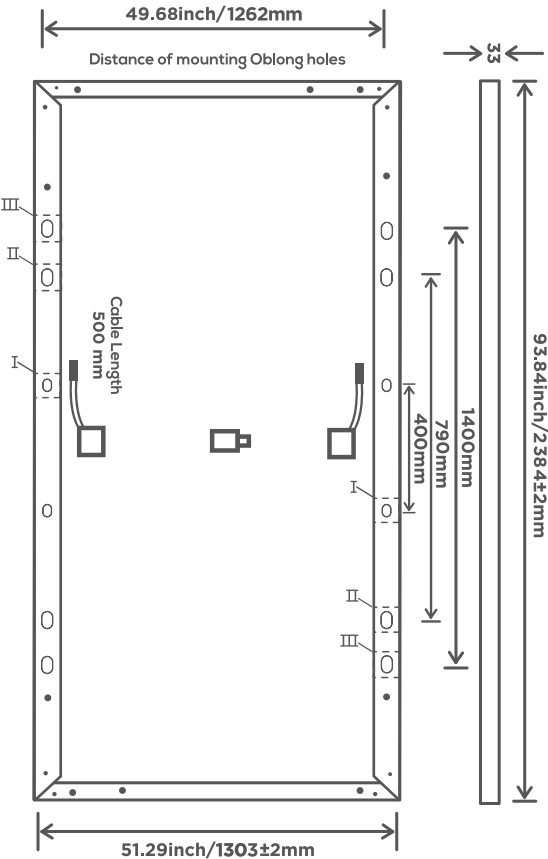
At low irradiance (200W/M², 25°C and AM1.5) the module yields at least 95% of the STC efficiency.
Test uncertainty for Pmax ±3%

Permissible Operating Conditions	
Operating Temperature Range	-40° C TO 85° C
Max.system Voltage	1500V DC
Maximum Snow Load Capacity	5400Pa Snow load and 2400 Pa Wind Load
Resistance Against Hail	MaxØ24mm with impact speed of 23 m/s
Protection Class Against Electrical Shock	II
Maximum Reverse Current	35A
Bifaciality Factor	80 ± 5%

Thermal Data	
Temp. Coefficient Open-circuit Voltage	-0.25%/°C
Temp. Coefficient Short Circuit Current	0.045%/°C
Temp. Coefficient Rated Power	-0.29%/°C
NMOT (Nominal module operating temperature)	43° C ±2°C

Mechanical Data	
Number of Cells and Cell Type	132 TOPCon solar cells 4.13inch x 8.27 inch (210 x 105 mm)
Dimensions: (L X W X H)	93.85 inch x 51.26 inch x 1.29 inch (2384mm x 1303 mm x33 mm)
Weight	83.33 lb (37.8Kg)
Front Cover	2 mm semi tempered, Solar glass
Embedding	EPE
Back Cover	2 mm semi tempered, Solar glass
Junction Box	3 Split Junction Box IP68
Number of Bypass Diodes	3
Cables	4mm² Solar Cables, Length 500±10mm
Connectors	MC4 Compatible staubli option available

Warranty	
Product Warranty	12 years
Performance Warranty	30 years

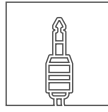


1ST YEAR DEGRADATION	1.0%	YEAR 2-30 POWER DEGRADATION	0.40%	END OF 30 YEARS	87.40%
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FEATURES



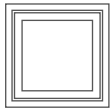
AR Coated High
Transmission
Glass



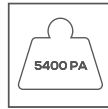
MC4
Compatible
Connectors



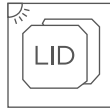
PID
Resistance



Anodised
Aluminium
Frame



Snow Load
Resistance
upto 5400 Pa

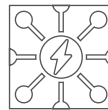


Low LID

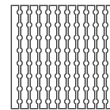
BENEFITS



Low LCOE,
Faster Payback
Period



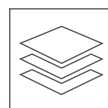
Best In Class
Efficiency
upto 23%



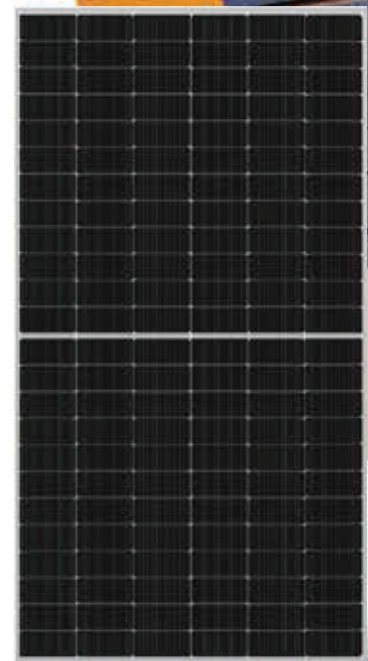
Multi-Bus Bar
Technology for
Better Current
Collection



Lowest
Guaranteed First
Year and Annual
Degradation



Well-Composed
Components
Stress to Reduce
Micro Cracks



*Product under testing at TUV for IEC standards.



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Phone: +91 80 2217 4328, +91 80 2217 4333 | info@emmvee.in | www.emmvee.com

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