

BECKER TECH

PV-Module



PM435W(108) TOPCON



SMBB Technology

Better light trapping and current collection to improve module power output and reliability.



PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



Hot 2.0 Technology

The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID.



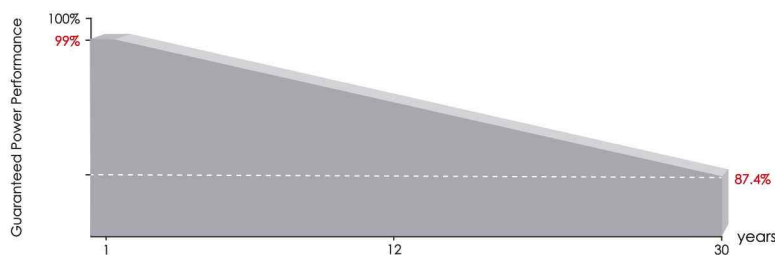
Enhanced Mechanical Load

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

FRAME



Linear performance Warranty



Comprehensive Certificates

IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018

Occupational Health and Safety Management Systems



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PM435W(108)TOPCON

Module		PM-435W(108) TOPCON	
Efficiency (%)		22.28%	
Tolerance (W)		0~+3%	
Standard Test		STC	NOCT
Maximum Power (Pmax/W)		435	327
Open Circuit Voltage Voc(V)		37.79V	36.74V
Short Circuit Current Isc(A)		14.45A	11.55A
Maximum Power Voltage Vmp(V)		31.73V	29.75V
Maximum Power Current Imp(A)		13.72A	10.99A
Cells		182 N type TOPCON Mono-crystalline	
Cells Qty (Pcs)		108(2x54)	
Max System Voltage (V)		1000/1500VDC (IEC)	
Temperature coefficients of Pmax		-0.29 %/°C	
Temperature coefficients of Voc		-0.25 %/°C	
Temperature coefficients of Isc		0.045 %/°C	
Operate Temp (°C)		-40 to 85	
Nominal operating cell temperature NOCT		45±2°C	
Max Series Fuse Rating (A)		25A	

*STC: Irradiance 1000W/m² Cell Temperature 25°C AM=1.5
 NOCT: Irradiance 800W/m² Ambient Temperature 20°C AM=1.5 Wind Speed 1m/s

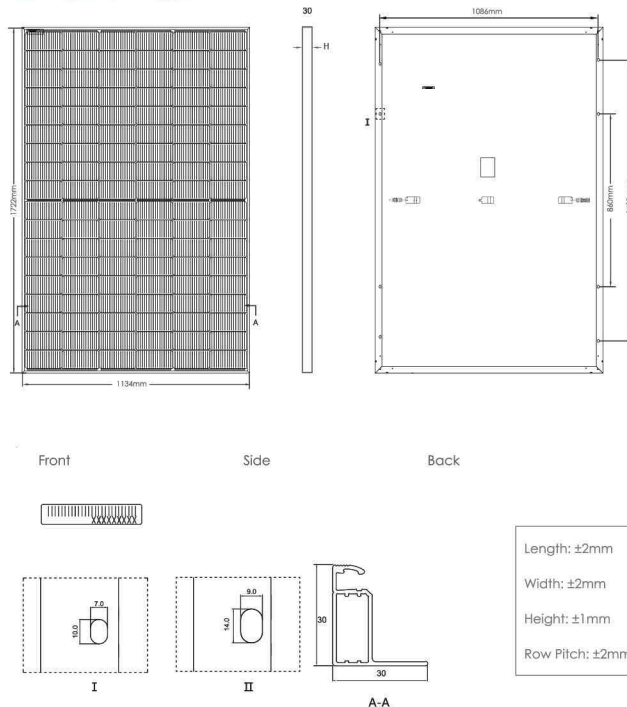
Raw material

Frame	Anodized Aluminium Alloy	Front Glass	2.0 mm, Anti-Reflection Coating
Cell	108 (2x54pcs)	Connector	4 mm ² , MC4 or EVO2
Diode Qty	3	Junction box	IP68
Cable (mm)	300		

Package

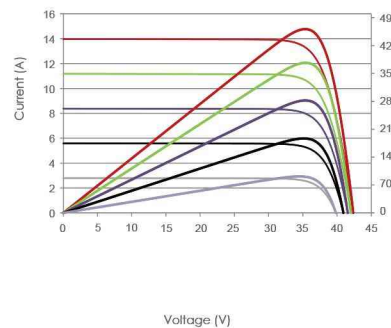
Module size (mm)	1722x1134x30mm	Weight (kg)	22 kg
Loading	936 PCS/40'HQ	Package	36PCS/PLT

Engineering Drawings



CURVES

Current-Voltage & Power-Voltage Curves (420W)



Temperature Dependence of Isc, Voc, Pmax

