

BECKER TECH

PV-Module



PM435W(108) TOPCON beidseitig



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

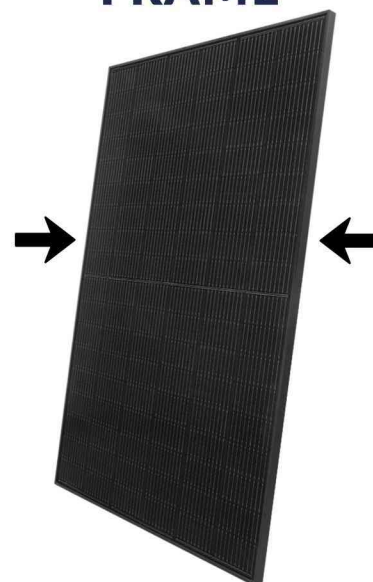
The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID.



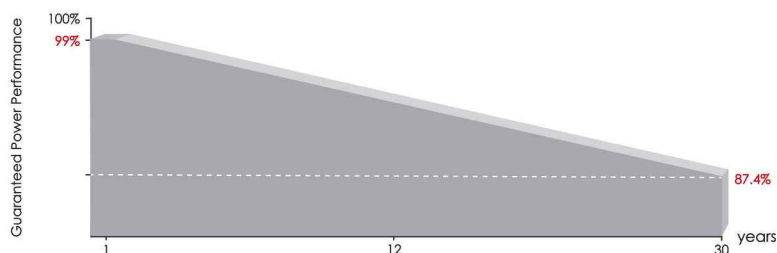
Enhanced Mechanical Load

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 beidseitig

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	

Bifacial Output-Rearside Power Gain

5 %	Maximum Power (Pmax)	456 Wp	Module Efficiency STC (%)	23,65 %
15 %	Maximum Power (Pmax)	500 Wp	Module Efficiency STC (%)	25,89 %
25 %	Maximum Power (Pmax)	543 Wp	Module Efficiency STC (%)	28,12 %

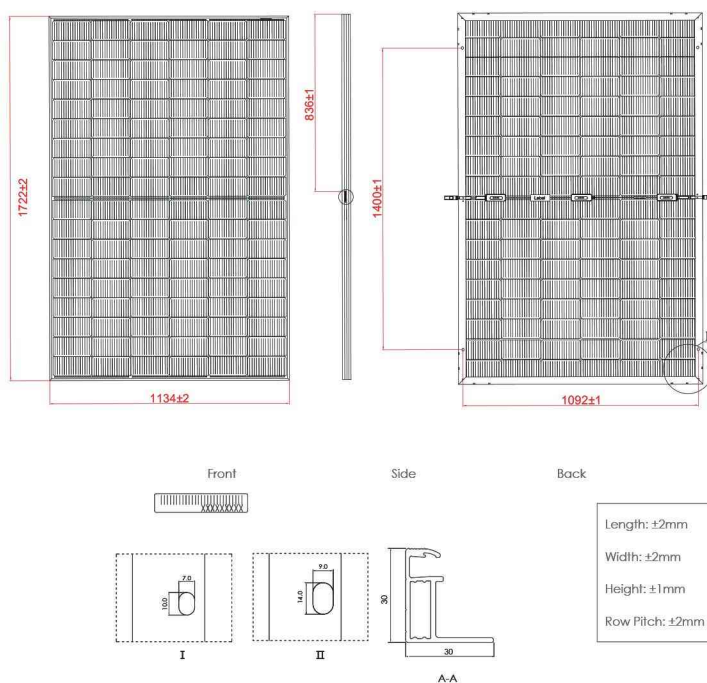
Raw material

Frame	Anodized Aluminium Alloy	Front Glass	2.0 mm, Anti-Reflection Coating
Cell	108 (2x54pcs)	Back Glass	2.0 mm, Heat Strengthened Glass
Diode Qty	3	Connector / Junction box	4 mm ² , MC4 or EVO2 / ID68
Cable (mm)	300	Fire Rating	Class A, according to UL 790

Package

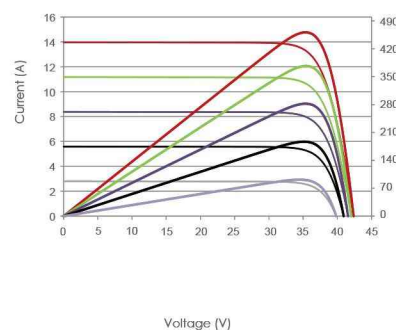
Module size (mm)	1722x1134x30mm	Weight (kg)	24 kg
Loading	936 PCS/40'HQ	Package	36PCS/PLT

Engineering Drawings

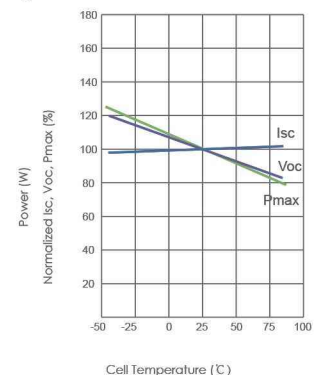


CURVES

Current-Voltage & Power-Voltage Curves (430W)



Temperature Dependence of Isc, Voc, Pmax



Voltage (V)

ISO

CEC

CE

DEKRA