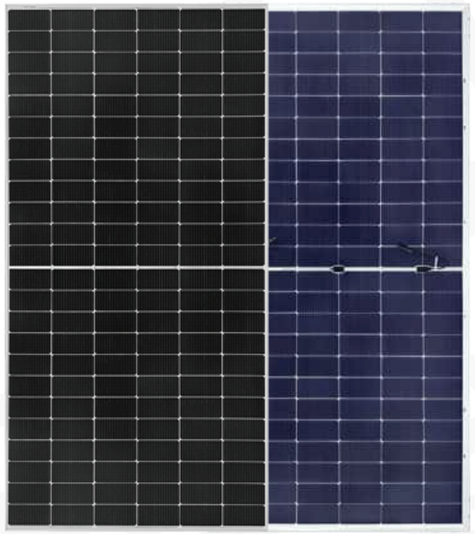


ARIS SERIES

KVA-PRO-72HCB | N-Type Bifacial TOPCon Transparent Backsheet

585W	MAXIMUM POWER OUTPUT
0~+5w	POSITIVE POWER TOLERANCE
22.65%	MAXIMUM EFFICIENCY

560-585W
PRODUCT RANGE

MBB HALF-CUT SOLAR CELL
182x91mm, 144 cells

HIGHER MODULE CONVERSION EFFICIENCY
Higher module output up to 585W with module efficiency up to 22.65%

LOW-LIGHT PERFORMANCE
Advanced glass and surface texturing allow for excellent performance in low-light environments

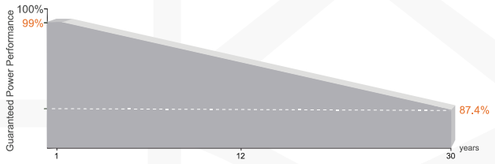
LIGHT-WEIGHT DESIGN
Light-weight design using transparent backsheet for easy installation and low BOS cost

CERTIFICATIONS
Quality Management System and Product Certification

IEC61215(2021), IEC61730(2023), IEC61701
IEC61215-2（bifaciality ）: 2021
IS09001:2015: Quality Management System
IS014001:2015: Environment Management System
IS045001:2018: Occupational Health and Safety Management Systems

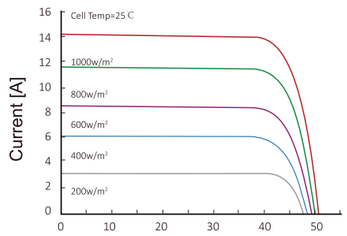
LINEAR PERFORMANCE WARRANTY

15 Year	Product Warranty
30 Year	Linear Power Warranty
<1%	First Year Power Degradation
<0.4 %	Year 2-30 Power Degradation

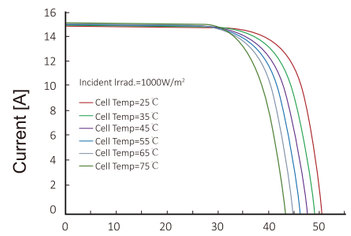


HIGHER POWER OUTPUT
Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR

CURRENT-VOLTAGE CURVES:



Module characteristics at constant module temperatures of 25°C and variable levels of irradiance



Module characteristics at variable module temperatures and constant module irradiance of 1000W/M²

Blue Horizon Innovations, LLC BlueHorizon-Innovations.com Sales@BlueHorizon-Innovations.com

182mm, 72 CELL HALF-CUT SERIES

ELECTRICAL PERFORMANCE

Module Type: KVA-PRO-72HCB	560M	565M	570M	575M	580M	585M
Maximum Power(Wp)	560W	565W	570W	575W	580W	585W
Open Circuit Voltage(Voc)	50.30V	50.45V	50.60V	50.75V	50.90V	51.10V
Short Circuit Current(Isc)	13.97A	14.04A	14.11A	14.18A	14.25A	14.31A
Maximum Power Voltage(Vm)	41.92V	42.07V	42.22V	42.37V	42.52V	42.70V
Maximum Power Current(Im)	13.36A	13.43A	13.50A	13.57A	13.64A	13.70A
Module Efficiency	21.67%	21.87%	22.06%	22.25%	22.45%	22.65%
Maximum Series Fuse	25A					
Watts Positive Tolerance	0~+5W					
Number Of Diode	3					
Standard Test Conditions	1000W/M², 25°C, AM1.5					
Maximum System Voltage	1500V/DC					
Temperature-Coefficient Isc	+0.043%/°C					
Temperature-Coefficient Voc	-0.24%/°C					
Temperature-Coefficient Pmpp	-0.30%/°C					
Operating Temperature	-40°C...+85°C					
Normal Operating Cell Temperature	45±2°C					
Load Capacity For The Cover Of The Module (Glass)	5400Pa(IEC61215)(snow)					
Load Capacity For The Front & Back Of The Module	2400Pa(IEC61215)(wind)					

ELECTRICAL PERFORMANCE (NOCT)

Module Type: KVA-PRO-72HCB	560M	565M	570M	575M	580M	585M
Maximum Power(Wp)	421W	425W	429W	433W	437W	441W
Open Circuit Voltage(Voc)	47.78V	47.91V	48.04V	48.17V	48.28V	48.40V
Short Circuit Current(Isc)	11.28A	11.35A	11.42A	11.48A	11.55A	11.61A
Maximum Power Voltage(Vm)	39.45V	39.58V	39.71V	39.84V	39.95V	40.18V
Maximum Power Current(Im)	10.67A	10.74A	10.81A	10.87A	10.94A	11.00A

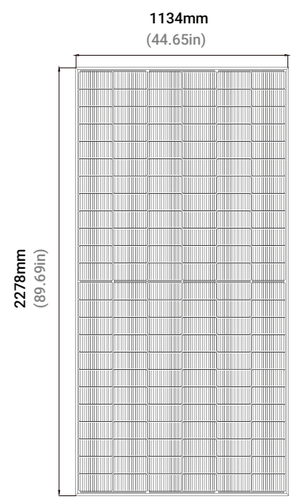
MECHANICAL CHARACTERISTICS

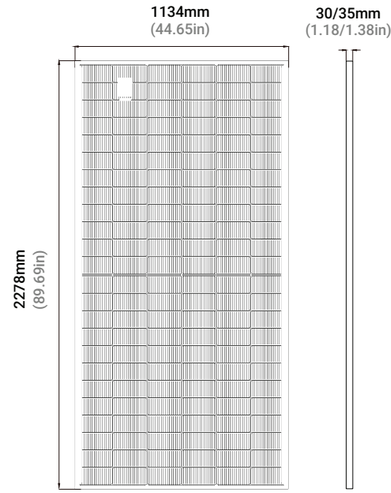
Front Cover (Material / Thickness)	low-iron tempered glass / 3.2mm
Backsheet (Color)	transparent
Cell (Quantity / Material / Dimensions)	144(6x12x2) / monocrystalline silicon, N-type bifacial TOPCon
Frame (Material / Color)	aluminum hollow-chamber frame on each side anodized aluminum alloy / silver
Junction Box (Protection Degree)	≥IP68
Cables & Plug Connectors	4mm², 300mm in length, length can be customized
Module Dimensions (L / W / H)	2278x1134x30/35mm
Module Weight	26.6kg / 27.7kg
Application Class	Class A
Electrical Protection Class	Class II
Fire Safety Class	Class C

PACKING

Container Size	Units/Pallet (PCS)	Weight/Pallet (KG)	Pallet Measurement (mm)	Units/Container (PCS)
40HQ	36 (30mm)	1000	2300x1120x1260	720
	31 (35mm)	900	2300x1120x1260	620

MODULE DIAGRAM





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