



# N-Type ABC White Hole Series

AIKO-A-MAH72Mw

Up to **24.0%**  
**600W-620W**



Product  
Warranty



Performance  
Warranty



reddot winner 2023

## Premium Appearance

No grid lines on the front

## Higher Power Output

Higher efficiency: 24.0%

Lower degradation: 1 Year  $\leq 1.0\%$ , 2 -30 Year  $\leq 0.35\%$

Better Temperature Coefficient:  $-0.29\%/^{\circ}\text{C}$

## Optimized Balance of System (BOS)

Significant savings on mounting structure, cabling, and labour cost

## Complete Set of Quality Management System

IEC 61730 (2016) IEC 61215 (2021)

ISO 9001:2015 Quality Management System

ISO 14001:2015 Environmental Management System

ISO 45001:2018 Occupational Safety and Management System

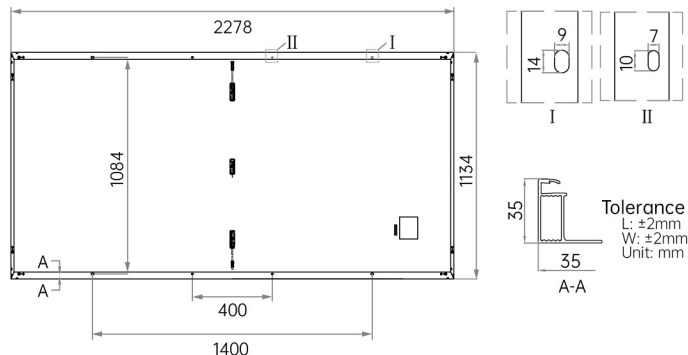
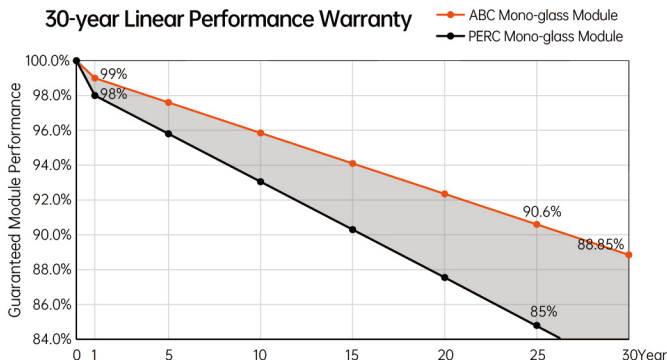


**620W**  
Output

**24.0%**  
Efficiency

**≤1%**  
First-year Degradation

**≤0.35%**  
Annual Degradation from Year 2-30



Electrical Characteristics (STC: AM1.5 1000W/m <sup>2</sup> 25°C NOCT: AM1.5 800W/m <sup>2</sup> 20°C 1m/s)		Power Tolerance: 0~+3%		Max Power Test Uncertainty: ±3%						
Model	AIKO-A600-MAH72Mw		AIKO-A605-MAH72Mw		AIKO-A610-MAH72Mw		AIKO-A615-MAH72Mw		AIKO-A620-MAH72Mw	
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
P <sub>max</sub> [W]	600	453	605	456	610	460	615	464	620	468
V <sub>oc</sub> [V]	53.29	50.19	53.39	50.28	53.49	50.38	53.59	50.47	53.69	50.56
V <sub>mp</sub> [V]	44.81	42.20	44.91	42.30	45.01	42.39	45.11	42.48	45.21	42.58
I <sub>sc</sub> [A]	13.92	11.29	13.98	11.34	14.04	11.39	14.10	11.44	14.16	11.48
I <sub>mp</sub> [A]	13.40	10.74	13.48	10.80	13.56	10.86	13.64	10.93	13.72	11.00
<b>Module Efficiency</b>	<b>23.2%</b>		<b>23.4%</b>		<b>23.6%</b>		<b>23.8%</b>		<b>24.0%</b>	

Mechanical Specification	
Cell Type	Mono-crystalline Silicon
Front Cover	3.2 mm tempered glass, with anti-reflection coating
Frame	Anodized aluminum
Cable	4mm <sup>2</sup> (IEC) 12AWG(UL) 350mm or Customized Length
No. of Cells	144(6*24)
Junction Box	IP68, three bypass diodes
Connector	MC4 compatible
Weight	28.2kg±3%
Dimension	2278*1134*35mm
Package Detail	31pcs per pallet/155 pcs per 20' GP/620pcs per 40' HQ

Temperature Ratings (STC)	
Temperature Coefficient of I <sub>sc</sub>	+ 0.05%/ °C
Temperature Coefficient of V <sub>oc</sub>	- 0.24%/ °C
Temperature Coefficient of P <sub>max</sub>	- 0.29%/ °C

Installation Guide	
Operation Temperature	- 40°C~+85°C
Maximum Series Fuse Rating	25A
Protection Class	Class II
V <sub>oc</sub> and I <sub>sc</sub> Tolerance	±3%
Maximum System Voltage	DC1500V
Maximum Static Loading	Front 5400Pa Back 2400Pa
Hail Test	25 mm diameter hail at 23 m/s
Fire Rating	IEC Class C

